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ARCHITECT NOTES:

1.0 Main Communications Room (MDF)
1.1 Facilities
The General Contractor shall construct the MDF to the minimum dimensions shown on the InfiniSys drawing set. The MDF walls shall be covered with 3/4" plywood over any building materials required by code. The plywood shall be 8' high, start at 6" AFF, and must meet all national, state, and local codes for fire rating. If noted, the MDF walls shall be shielded by installing a grounded metal lath behind the plywood. Once the MDF is constructed, the Low Voltage Contractor shall roughly designate the various provider areas per the InfiniSys drawings, using spray-paint to outline and label the areas. No piping, ductwork, mechanical equipment or power cabling should pass through the MDF.

1.2 Secure Access/Lock Boxes
General Contractor shall provide single or double 36" x 80" lockable doors. The doors must be able to be securely locked, using a high-security deadbolt style lock, and be common-keyed across the site. Access shall be restricted to authorized personnel.

2.0 Communications Rooms (IDF)
2.1 Facilities
The General Contractor shall construct the IDF(s) to the minimum dimensions shown on the InfiniSys drawing set. The IDF walls shall be covered with 3/4" plywood over any building materials required by code. The plywood shall be 8' high, start at 6" AFF, and must meet all national, state, and local codes for fire rating. If noted, the IDF walls shall be shielded by installing a grounded metal lath behind the plywood. Once the IDF is constructed, the Low Voltage Contractor shall roughly designate the various provider areas per the InfiniSys drawings, using spray-paint to outline and label the areas. No piping, ductwork, mechanical equipment or power cabling should pass through the IDF.

2.2 Secure Access
General Contractor shall provide single or double 36" x 80" lockable doors. The doors must be able to be securely locked, using a high-security deadbolt style lock, and be common-keyed across the site. Access shall be restricted to authorized personnel. Each IDF must allow secure 24/7 access for each of the service providers who have equipment or facilities within it.

3.0 Pathways
3.1 Coring
All coring through concrete, block, stone, or other impervious materials is the responsibility of the General Contractor.
3.2 Interior Pathways
All interior building pathways are the responsibility of the general contractor.
3.3 Fire stopping
All fire stopping designs shall be the responsibility of the site architect. All fire stopping as required by code and installation of the fire stopping designs of the site architect shall be the responsibility of the installing contractor.

MEP NOTES:

1.0 General
All electrical work shall conform to all of the National Electric Code for state, county, city electrical codes, and authorities having jurisdiction. All switch boxes in units, leasing, amenities area, etc. must contain a neutral to the load they are controlling. Install unswitched quad outlet by each Home Theater Outlet and duplex by each Multimedia Outlet

2.0 Main Communications Room (MDF)
2.1 HVAC
The MDF requires sufficient HVAC to maintain 40° - 85° Fahrenheit with humidity at 30-60%, non-condensing, positive pressure.
2.2 Lighting
4-bulb 4' or 4-bulb 8' LED lighting fixtures with tube protectors installed are required for proper lighting, typically 8.5-9.0 feet above the floor, providing 85 foot-candles at 3 feet above the floor.

2.3 Electrical
All duplex outlets are to be Pass & Seymour Industrial Grade Surge Protective Receptacles with Isolated Ground unless otherwise specified. This ground shall be tied to the electrical service ground. Use Pass & Seymour part number IG5262-WSP for 15 amp circuits and Pass & Seymour part number IG6362-WSP for 20 amp circuits. Required duplex outlets and circuits are as follows:
• Seven (7) 20A 120VAC surge protected duplex outlets on seven (7) separate circuits.
• Minimum of two (2) convenience outlets on the lighting circuit.

2.4 Grounding
General Contractor shall provide solid copper grounding busbar to be installed with insulated standoffs, (1/4" thick x 4" high). This busbar is drilled with rows of holes according to NEMA standards for attachment of bolted compression fittings. Telecommunications equipment, frames, cabinets and voltage protectors shall be grounded to this busbar. General Contractor shall connect busbars in the MDF and IDFs with a backbone of insulated, solid copper cable between all closets and rooms. This backbone shall be connected to the Main Grounding Busbar in the MDF, to an earth ground in the electrical entrance facility, and to structural steel on each floor, if applicable.

Bonding conductor cabling shall be colored green or labeled appropriately. All grounding shall be in accordance with Article 250 of NEC 2017.

3.0 Building Communications Room(s) (IDF's)
3.1 Ventilation/HVAC
The general Contractor shall provide sufficient HVAC or ventilation to maintain a temperature of 40° to 100° Fahrenheit. For ventilation, the General Contractor shall provide for a minimum of 110-200 CFM of air circulation. This shall be thermostatically controlled to start if the temperature exceeds 85° Fahrenheit in the IDF. Use Fantech RVF-6 or equivalent exhaust fan in conjunction with a Columbus Electric DPST 50° to 90° thermostat or equivalent. If a ventilation fan cannot maintain a maximum room temperature of 100° Fahrenheit with a full load of all electronic equipment, supplemental cooling may be required.

3.2 Lighting
4-bulb 4' or 4-bulb 8' LED lighting fixtures with tube protectors installed are required to provide illumination for installation and maintenance, providing 85 foot-candles at 3 feet above the floor.

3.3 Electrical
All duplex outlets are to be Pass & Seymour Industrial Grade Surge Protective Receptacles with Isolated Ground unless otherwise specified. This ground shall be tied to the electrical service ground. Use Pass & Seymour part number IG5262-WSP for 15 amp circuits and Pass & Seymour part number IG6362-WSP for 20 amp circuits. Required outlets and circuits are as follows:
• One (1) 20A 120VAC surge protected duplex outlet on one (1) separate circuit for Data distribution.
• One (1) 20A 120VAC surge protected duplex outlet on one (1) separate circuit for Video distribution.
• One (1) convenience outlet on the lighting circuit (minimum).

3.4 Grounding
General Contractor shall provide solid copper grounding busbar to be installed with insulated standoffs, (1/4" thick x 2" high x 10" long). This busbar is drilled with rows of holes according to NEMA standards for attachment of bolted compression fittings. Telecommunications equipment, frames, cabinets and voltage protectors shall be grounded to this busbar. All grounding shall be in accordance with Article 250 of NEC 2017.

4.0 NetworkedApartment Unit Distribution Panel
4.1 Electrical
The Electrical Contractor must install a box with a 15A 120VAC Pass & Seymour 5262-WSP surge protected duplex outlet in the bottom of each UDP. This outlet does not require a dedicated circuit and may be powered from a lighting circuit.

5.0 Site Requirements
5.1 The MEP shall be responsible for the integration of the Access Control System with the Fire Alarm System.
5.3 The Electrical Contractor shall provide power to all gate camera locations.
5.4 The Electrical Contractor shall provide power to all access control panel and gate locations.

GENERAL NOTES:

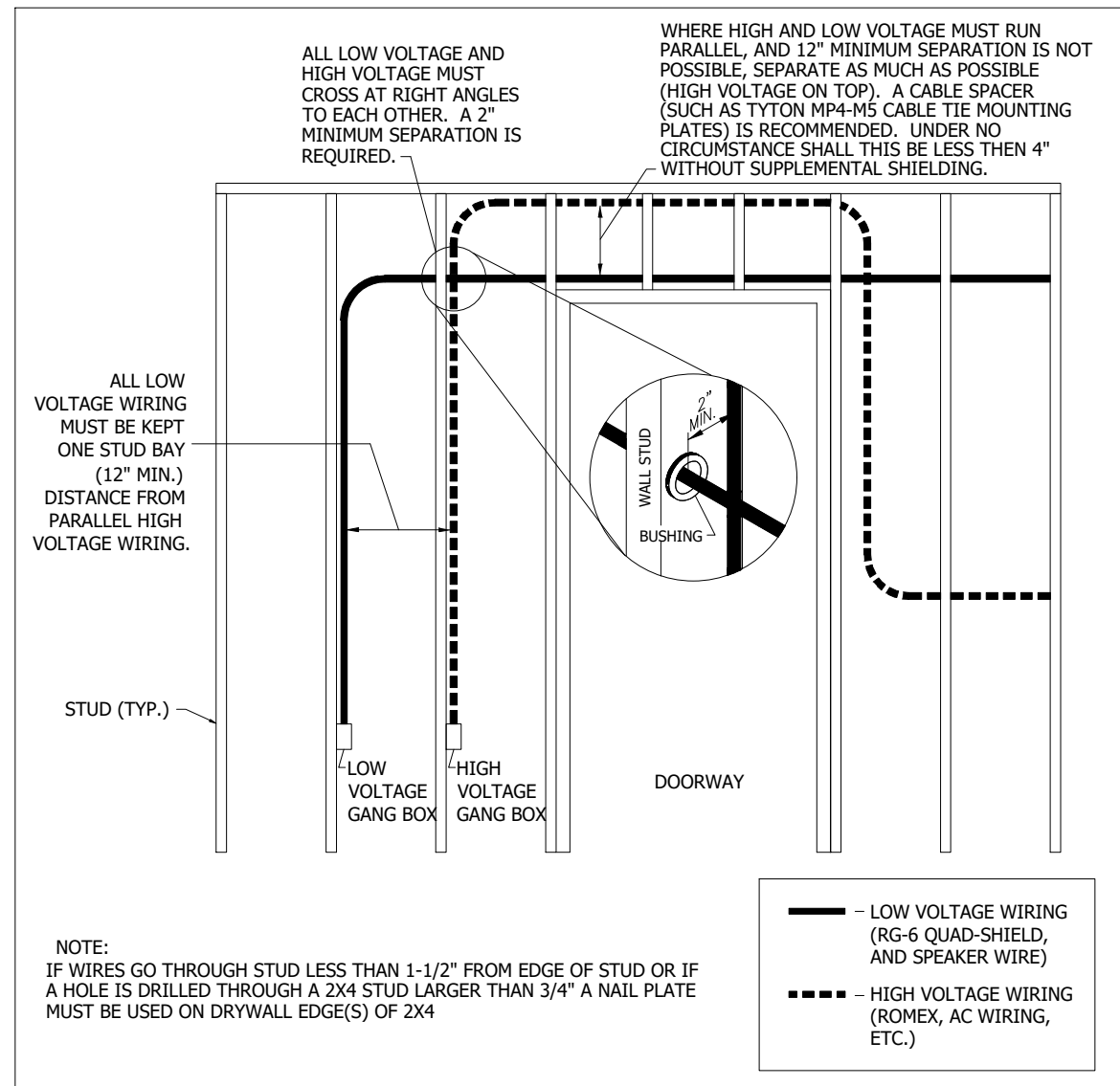
- 1. Leave 2' tail at multimedia outlet plaster ring locations.
2. Leave 3' tail at UDP (Unit Distribution Panel) and speaker locations.
3. Leave 20' tail at MDF and IDF locations.
4. 3 inch min. bend radius on all cable runs do not use metal staples or kink cables. Use plastic staples such as Telecrafter.
5. All low voltage wiring must be kept one stud bay (12" min.) distance from parallel high voltage wiring and cross at right angles.
6. It is preferred to mount single outlets in a single gang plastic box with back removed. Optionally, a single gang mud ring may be used, unless it is in a fire-rated wall.
7. All blank covers are the responsibility of the installing sub-contractor.
8. Install all multimedia outlets at duplex outlet height in all rooms, unless noted.
9. Low voltage boxes must be level and unobstructed.
10. Install pull strings in all empty conduits and innerducts.
11. All F-connectors must be stripped and crimped using approved tools. Tighten all "F" connectors to 25 in-lbs torque using approved tool. All F-connectors shall be of the radial 360-degree crimp type (F-Conn model RG-6NR or equivalent for RG-6 quad-shield). Compression crimp F-connectors are also acceptable.
12. No splices are permitted inside walls.
13. Install wall plates and speakers after finish painting.
14. All exposed connections and hardware shall be protected from plaster, paint, and other such materials.
15. All final installation must be done in accordance with the attached drawings, and specifications.
16. Fire stopping must be accomplished in accordance to local, state, and national codes and in accordance with the fire stopping designs of the site architect.
17. All grounding shall conform to NEC 2020 article 250.
18. The low voltage contractor shall label all low voltage cables at both ends in a clear and legible manner. The label shall be located within 1' of the likely termination point after trim so that the label will not be cut off.

CABLE SPECIFICATIONS:

- 1. All cables and microduct pathways with included pull string/tape shall be at a minimum riser rated. All cables and microduct pathways with included pull string/tape shall be plenum rated in such spaces that require it by local, state or national code. The plenum rating must conform to the most current version of NFPA 262.
2. Video Cable: All inside and home-run video cable will utilize Quad-Shield 60% minimum braid Series 6 coaxial cable terminating on OnQ Legrand or equivalent self-terminating F-81 barrel connectors. All coaxial cable must be manufacturer rated to a minimum of 3.0 GHz.
3. All "F" connectors shall be of the radial 360-degree crimp type (F-Conn Model RG-6NR or equivalent for Quad-shield). These connectors require a CablePro RTC-360 or equivalent tool for installation. Hex crimp tools are not acceptable.
4. If the outlets with video ports are installed with a wall cavity depth of less than 3", 90° F-connector adapters (Channel Vision #2125 or equivalent) must be used inside the wall.
5. Data Cable: All inside and home-run data wiring will utilize 4-Pair Cat-6 twisted pair copper cable terminating on TIA RJ_45 jacks utilizing the TIA 568a standard configuration. All Cat-6 cable shall meet or exceed ANSI/EIA/TIA-568 requirements. It is required that all data cabling be bid utilizing Cat-6.

GENERAL WIRING NOTES:

- 1. All low-voltage wiring should be run at least one stud bay apart (12" minimum) from any parallel high-voltage wiring, and cross at right angles whenever necessary. Where there is insufficient clearance to meet that requirement, the cabling must be arranged to provide the maximum possible separation, over as much distance as possible (under no circumstance shall the lateral distance be less than 4" without supplemental shielding). The only exception is where cables cross at right angles, where a 2" minimum separation must be maintained. This may require coordination with the Electrical Contractor before the high-voltage wiring commences.
2. Protecting cabling from damage is the responsibility of the low-voltage installing contractor. All cabling must be run where it is unlikely to be damaged after installation. Nail plates should be installed where cabling passes through wall studs. Where steel framing is used, plastic bushings must be installed wherever cables pass through metal structural members. Cables must not touch any edges of metal framing.
3. All cabling must be properly supported and secured in a way that will not compress or deform the cables. All cable bends must maintain a minimum 3' bend radius.
4. Splicing or repair of cabling is not permitted. Damaged cable must be replaced in its entirety.
5. Any defective or damaged cabling, or any cable or cable installation that does not meet these specifications, must be replaced. This will be at the installation contractor's expense, unless it is the result of gross negligence by another trade, or unavoidable because of subsequent changes, structural modifications, etc.
6. The General Contractor shall be responsible for notifying the low-voltage installation contractor of any such cable damage.

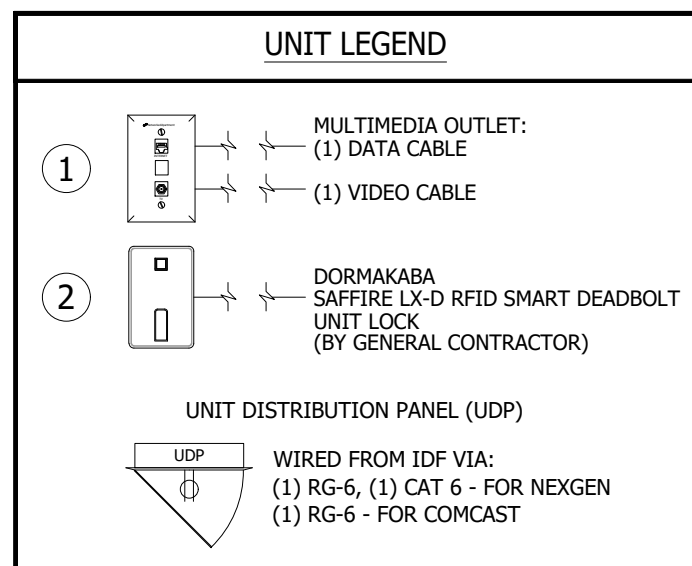


MDF AND IDF NOTES:

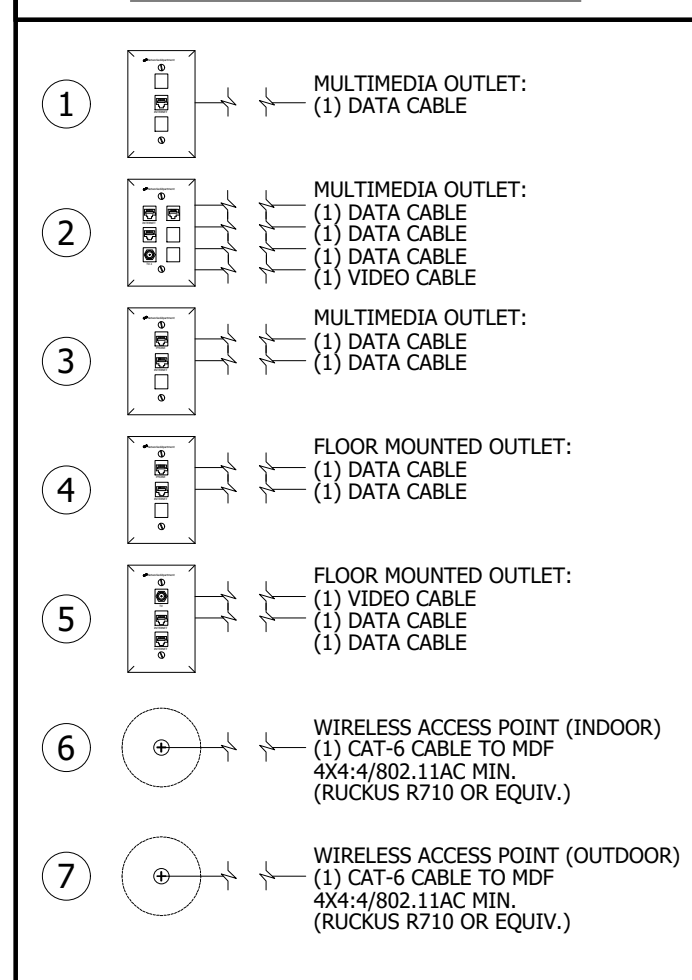
- 1. All installation work shall meet applicable local, State and Federal codes.
2. All fire stopping designs will be the responsibility of the site architect.
3. All fire stopping as required by code and installation of the fire stopping designs of the site architect will be the responsibility of the installing contractor.
4. All necessary low voltage permits and inspections shall be the responsibility of the installing contractor.
5. All grounding shall conform to article 250 of NEC 2017 (if adopted by the authority having jurisdiction prior to permitting and/or the commencement of construction).
6. All primary and secondary surge and isolation protection shall be the responsibility of the service provider.
7. Carlon ua9fn 36" sweeps recommended.
8. Conduits must be at least 24" below finish grade, 36" recommended.

NOTES:

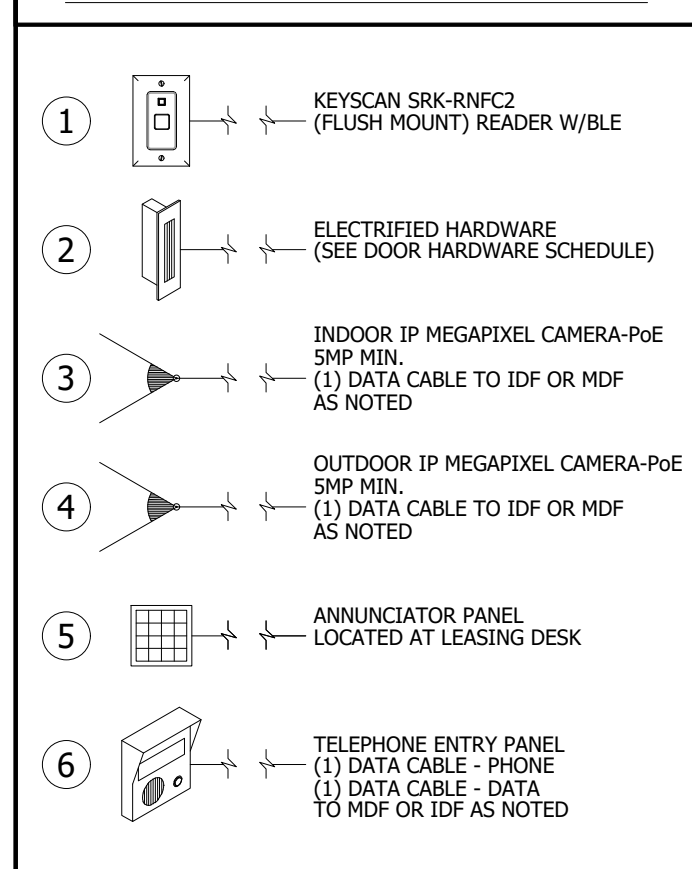
- 1. All conduit shall be schedule 40 PVC or HDPE 2", 4", or 6" according to plan.
2. All conduits are to include a pull string.
3. All underground conduits to be buried a minimum of 36" below finish grade to the top of the conduit.
4. All underground conduit road crossing ends shall be marked with electronic markers.
5. All conduits shall use sweeps in lieu of bends. Sweeps must be 36" radius minimum.
6. Conduit runs should have no more than 270 degrees of bends between any two pull points, runs that exceed this should have appropriate pull boxes installed.
7. Conduit runs exceeding 200 feet in length should have appropriate pull boxes installed. All conduits shall employ a tracer wire, such as Neptco Trace Safe RT1800W or equivalent.
8. If soil conditions require it (backfill/compaction material is not granular, or the trenchbed is not uniform), the trench shall be lined with a 3" layer of sand on the bottom and a 6" layer of sand on top of the conduits before backfill and compaction.



CABLED TO MDF OR NEAREST IDF



ACCESS CONTROL AND SECURITY CAMERAS



A/V LEGEND

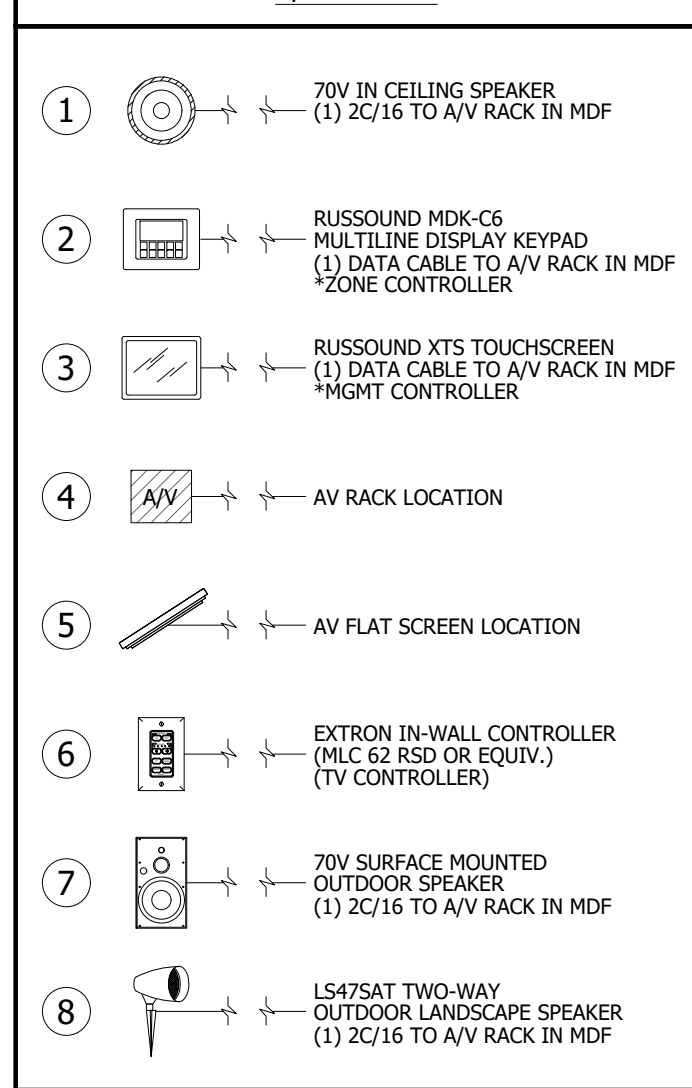


Table with columns: SHEET #, DESCRIPTION, REV #, DATE. Includes a list of sheets (T-000 to T-401) and their descriptions, such as 'LOW VOLTAGE NOTES AND LEGENDS', 'LOW VOLTAGE OVERALL SITE PLAN', 'LOW VOLTAGE BUILDING TYPE I - FIRST FLOOR PLAN', etc. Includes a 'PRINT RECORD' section with dates and descriptions.



REVISIONS table with columns for revision number (1-6) and description.

NetworkedApartment
FTTA Ready

LOW VOLTAGE NOTES AND LEGENDS

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Table with columns: DATE (08.19.21), SCALE (NTS), DRAWN (A. JONES), APPR (T. STENDER), JOB (ZDC - CAPE CORAL PHASE 2 SURFSIDE APTS. #002221), REV. LEVEL (0), DRAWING NO. (T-000)

REVISIONS	
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**LOW VOLTAGE
 OVERALL
 SITE PLAN**

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DATE: 08.19.21

SCALE: 1" = 40'-0"

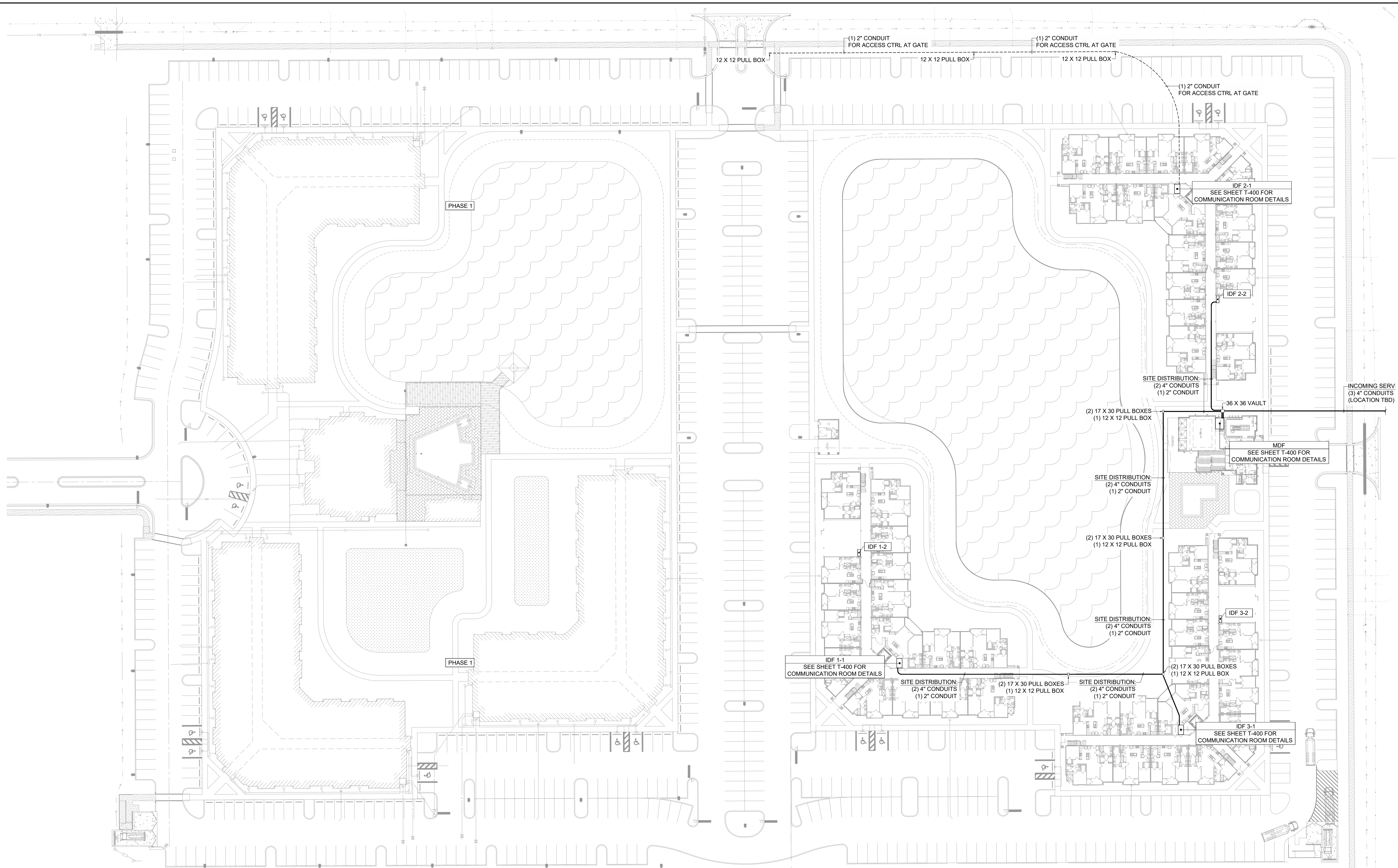
DRAWN: A. JONES

APPR: T. STENDER

JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

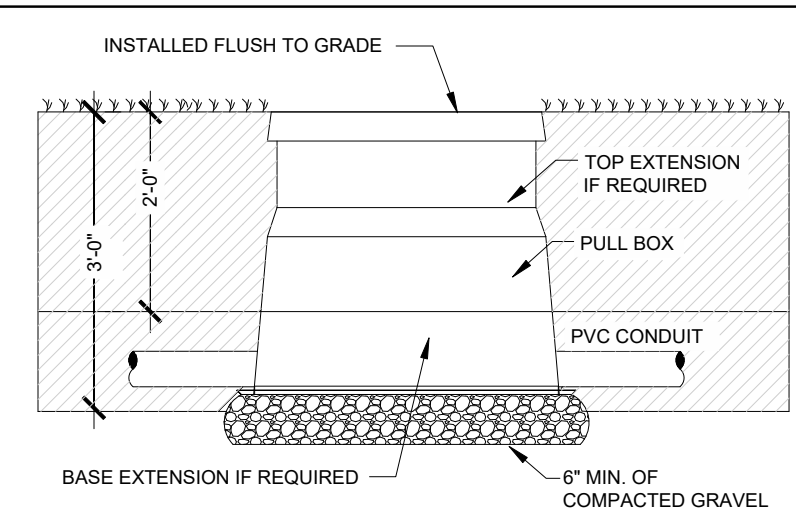
REV. LEVEL DRAWING NO:

0 **T-001**

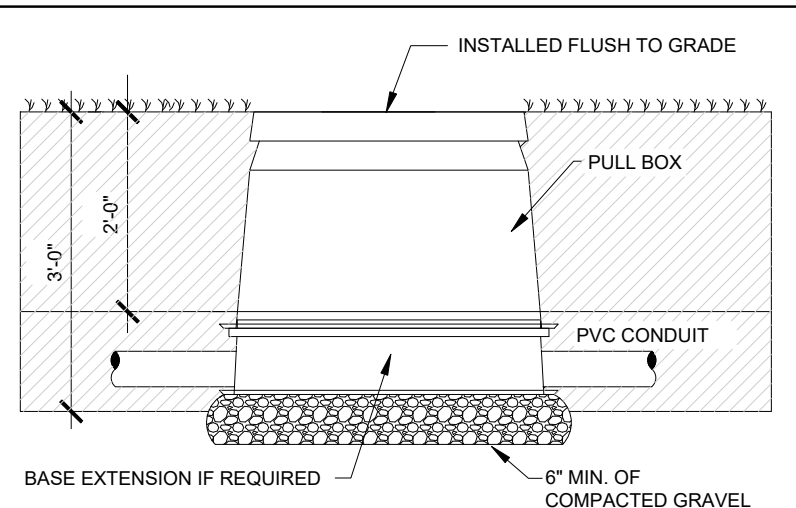


1 LOW VOLTAGE OVERALL SITE PLAN
 SCALE: 1" = 40'-0"

- NOTES:**
- All conduit shall be schedule 40 PVC or HDPE 2", 4", or 6" according to plan.
 - All conduits are to include a pull string.
 - All underground conduits to be buried a minimum of 36" below finish grade to the top of the conduit.
 - All underground conduit road crossing ends shall be marked with electronic markers or mule tape.
 - All conduits shall use sweeps in lieu of bends. Sweeps must be 36" radius minimum.
 - Conduit runs should have no more than 270 degrees of bends between any two pull points, runs that exceed this should have appropriate pull boxes installed.
 - Conduit runs exceeding 200 feet in length should have appropriate pull boxes installed.
 - All conduits shall employ a tracer wire. Such as Neptco Trace Safe RT1800W or equivalent.
 - If soil conditions require it (backfill/compaction material is not granular, or the trench bed is not uniform), the trench shall be lined with a 3" layer of sand on the bottom and a 6" layer of sand on top of the conduits before backfill and compaction.



DUE TO PULL BOX DESIGN VARIATIONS BETWEEN MANUFACTURERS, TWO TYPICAL DESIGNS ARE SHOWN. SOME MANUFACTURERS USE TOP EXTENSIONS WHILE OTHERS USE BASE EXTENSIONS. A TYPICAL MANUFACTURER OF A 17"X30"X26" PULL BOX IS CDR SYSTEMS PNA00-1730-26. A MATCHING 8" BASE EXTENSION IF REQUIRED IS CDR SYSTEMS PNA00-1730-08. A TYPICAL MANUFACTURER OF A 36"X36"X24" PULL BOX IS PENCELL PNPPEM-3636. A MATCHING 6" TOP EXTENSION IF REQUIRED IS PENCELL PNPPEM-3636-6.



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NetworkedApartment
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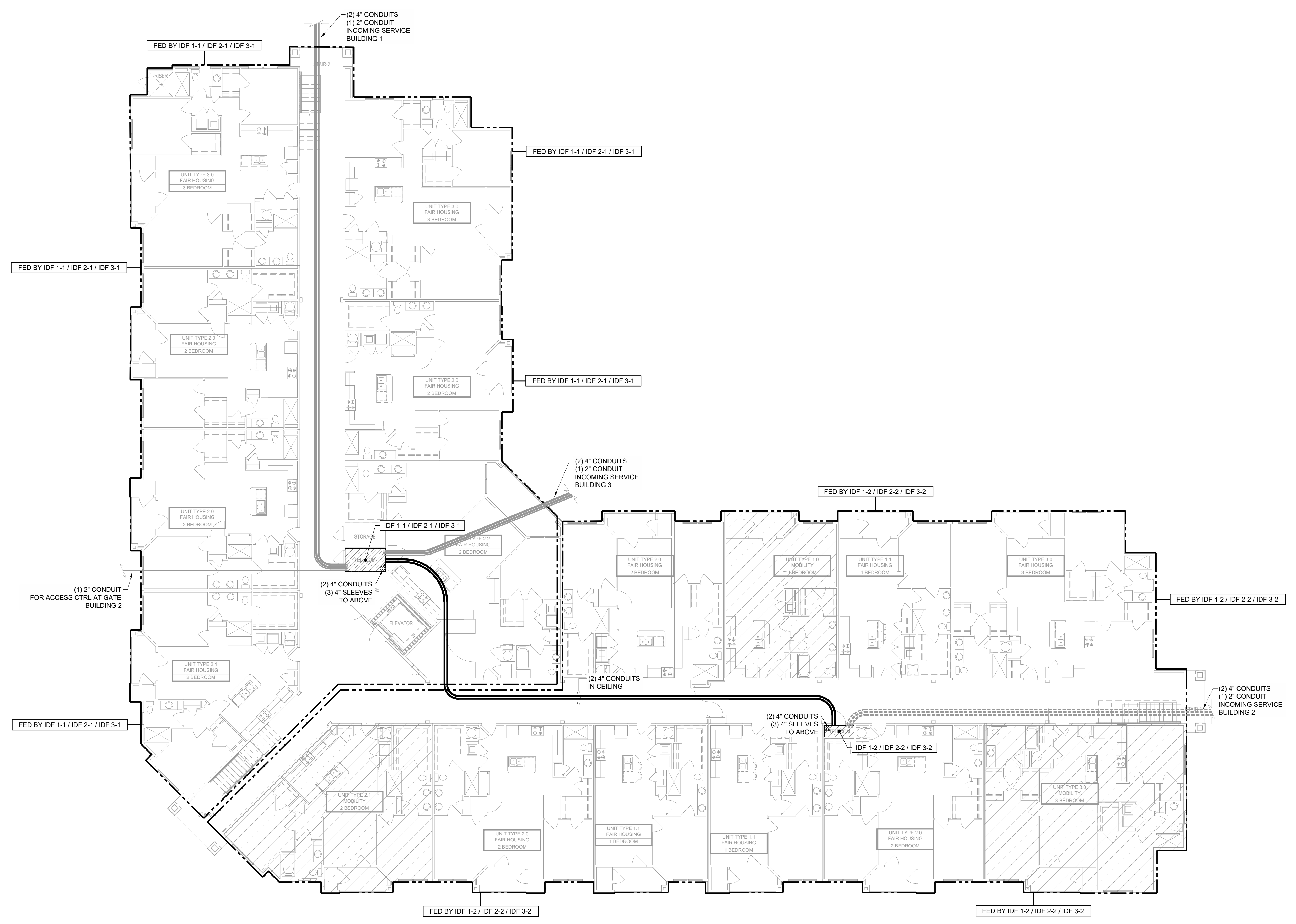
**LOW VOLTAGE
 BLDGS 1, 2, AND 3
 FIRST FLOOR
 PLANS**

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DATE: 08.19.21
 SCALE: 3/32"=1'-0"
 DRAWN: A. JONES
 APPR: T. STENDER
 JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL	DRAWING NO:
0	T-100



1 LOW VOLTAGE BLDGS 1, 2, AND 3 - FIRST FLOOR PLANS
 SCALE: 3/32"=1'-0"

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NetworkedApartment
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**LOW VOLTAGE
 BLDGS 1, 2, AND 3
 SECOND FLOOR
 PLANS**

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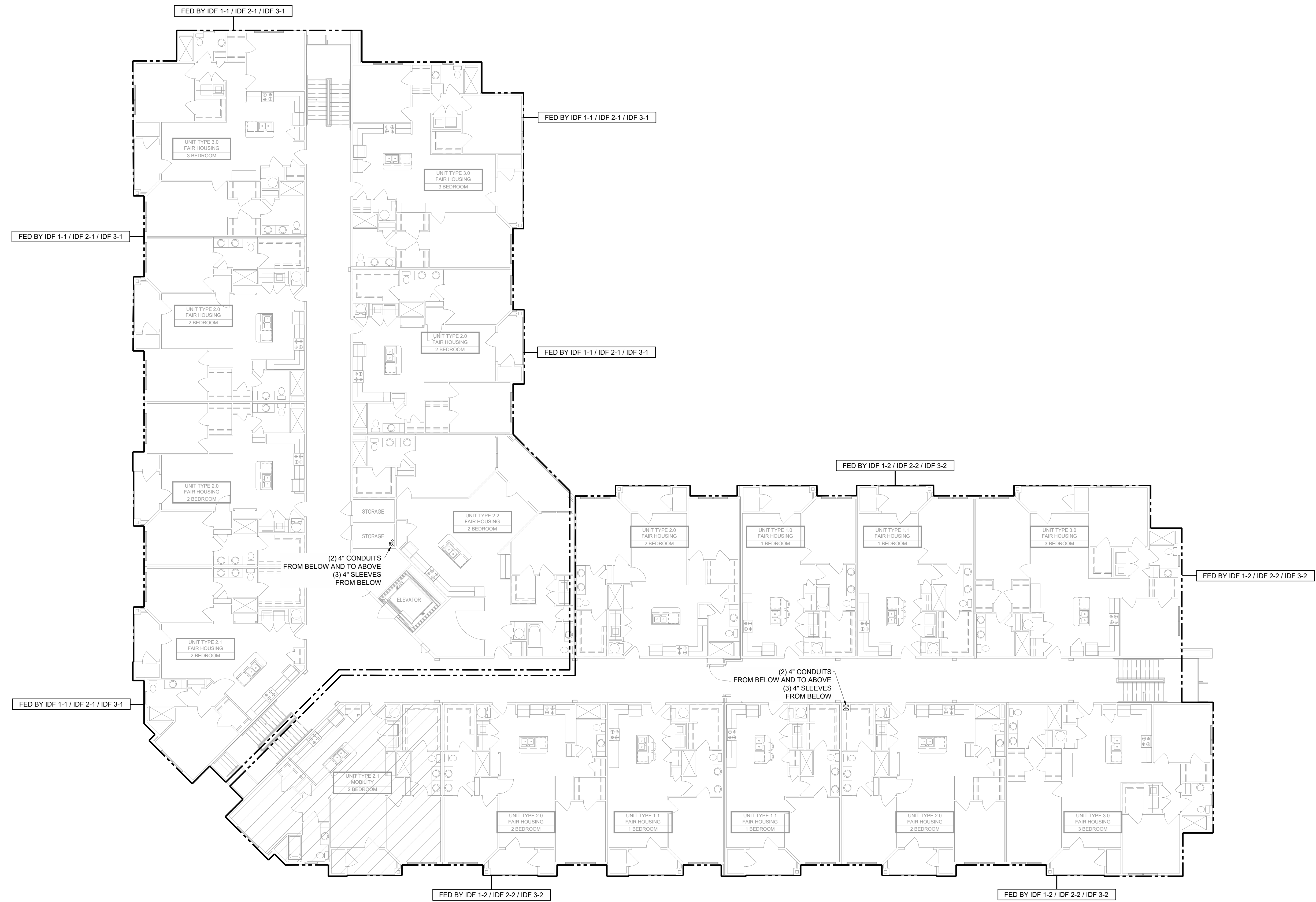
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DRAWN: A. JONES

APPR: T. STENDER

JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL	DRAWING NO:
0	T-101



1 LOW VOLTAGE BLDGS 1, 2, AND 3 - SECOND FLOOR PLANS
 SCALE: 3/32"=1'-0"

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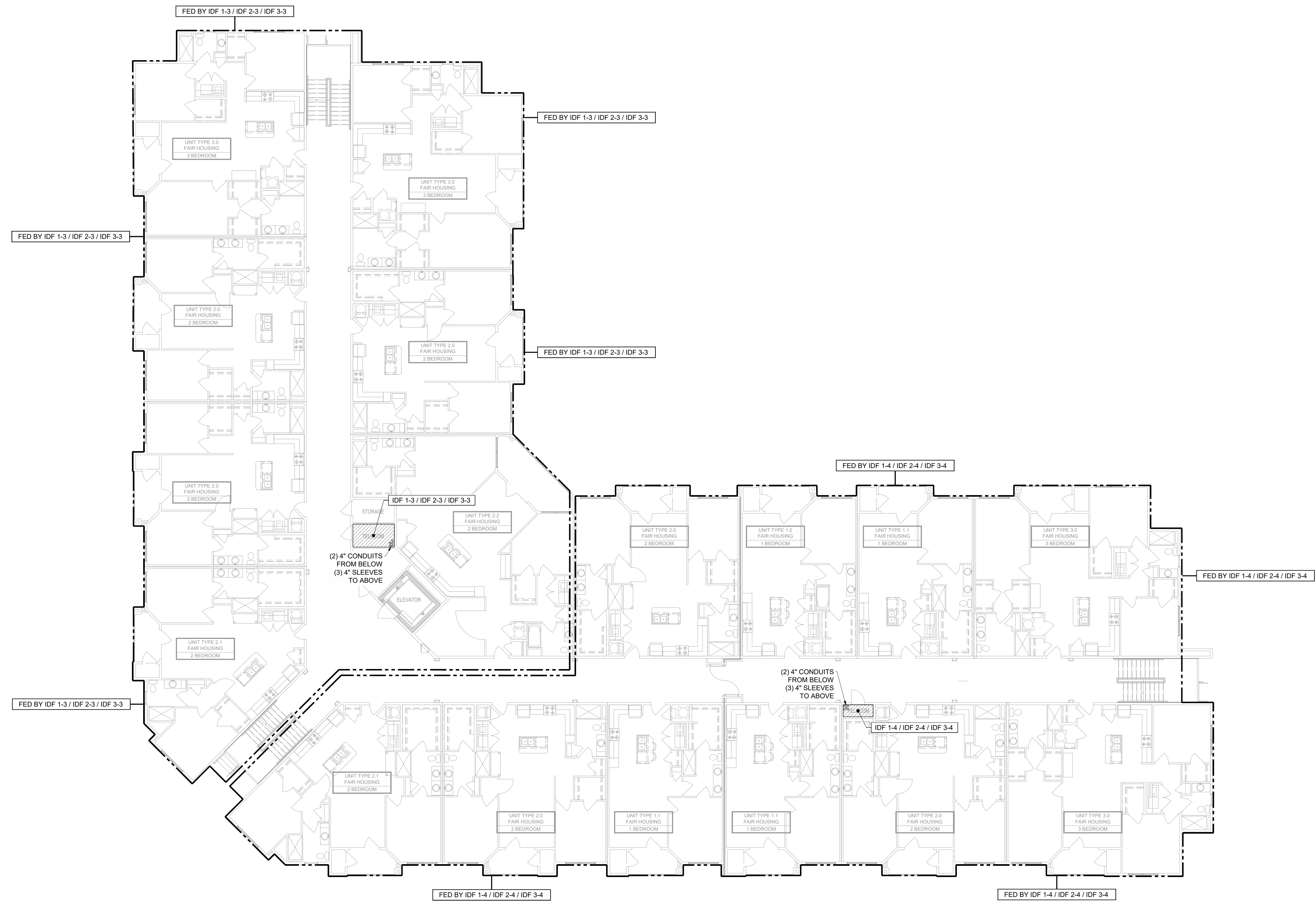
**LOW VOLTAGE
 BLDGS 1, 2, AND 3
 THIRD FLOOR PLANS**

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 APPR: T. STENDER
 JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL	DRAWING NO:
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1 LOW VOLTAGE BLDGS 1, 2, AND 3 - THIRD FLOOR PLANS
 SCALE: 3/32"=1'-0"

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NetworkedApartment
 FTTA Ready

**LOW VOLTAGE
 BLDGS 1, 2, AND 3
 FOURTH FLOOR PLANS**

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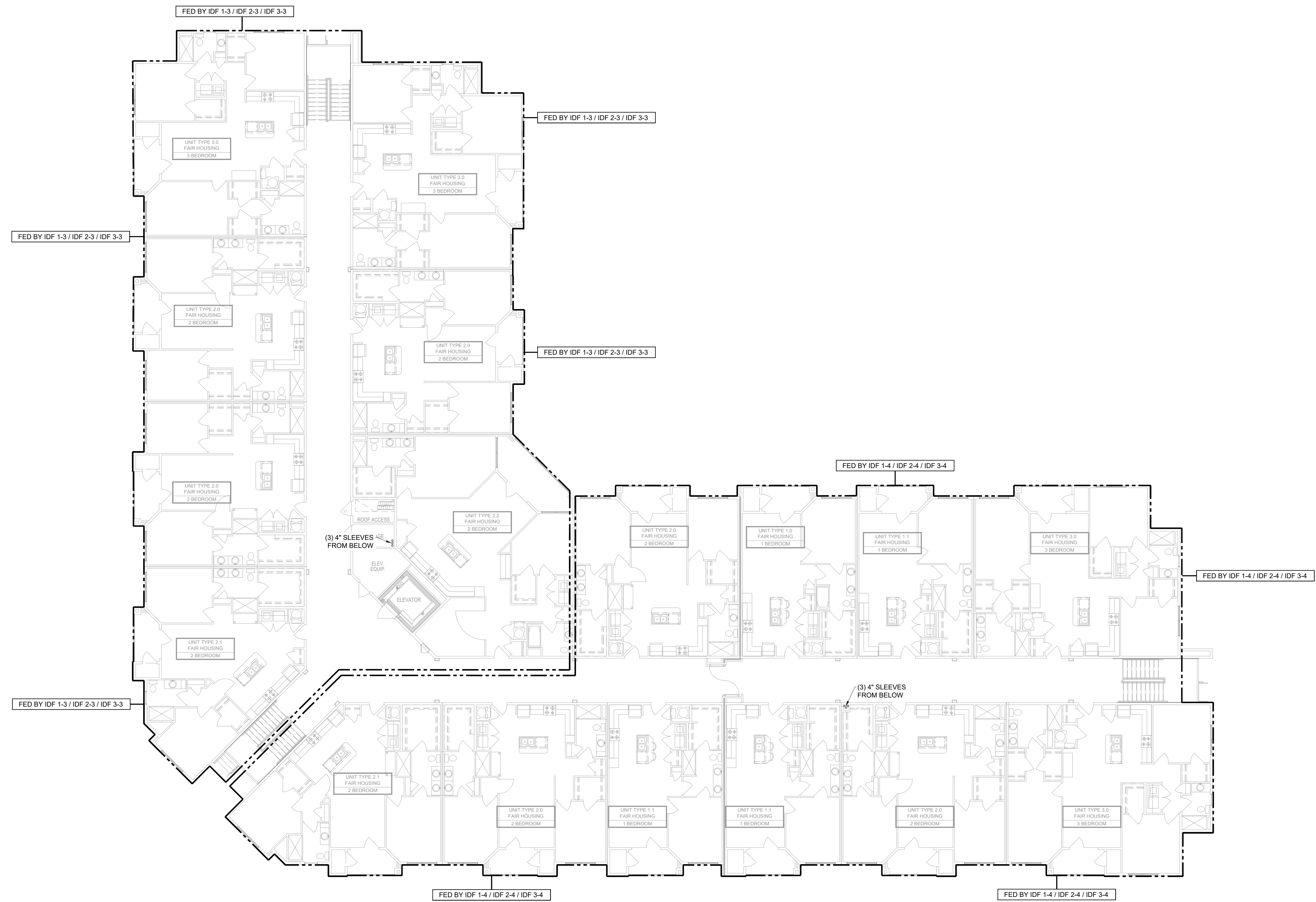
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DRAWN: A. JONES

APPR: T. STENDER

JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

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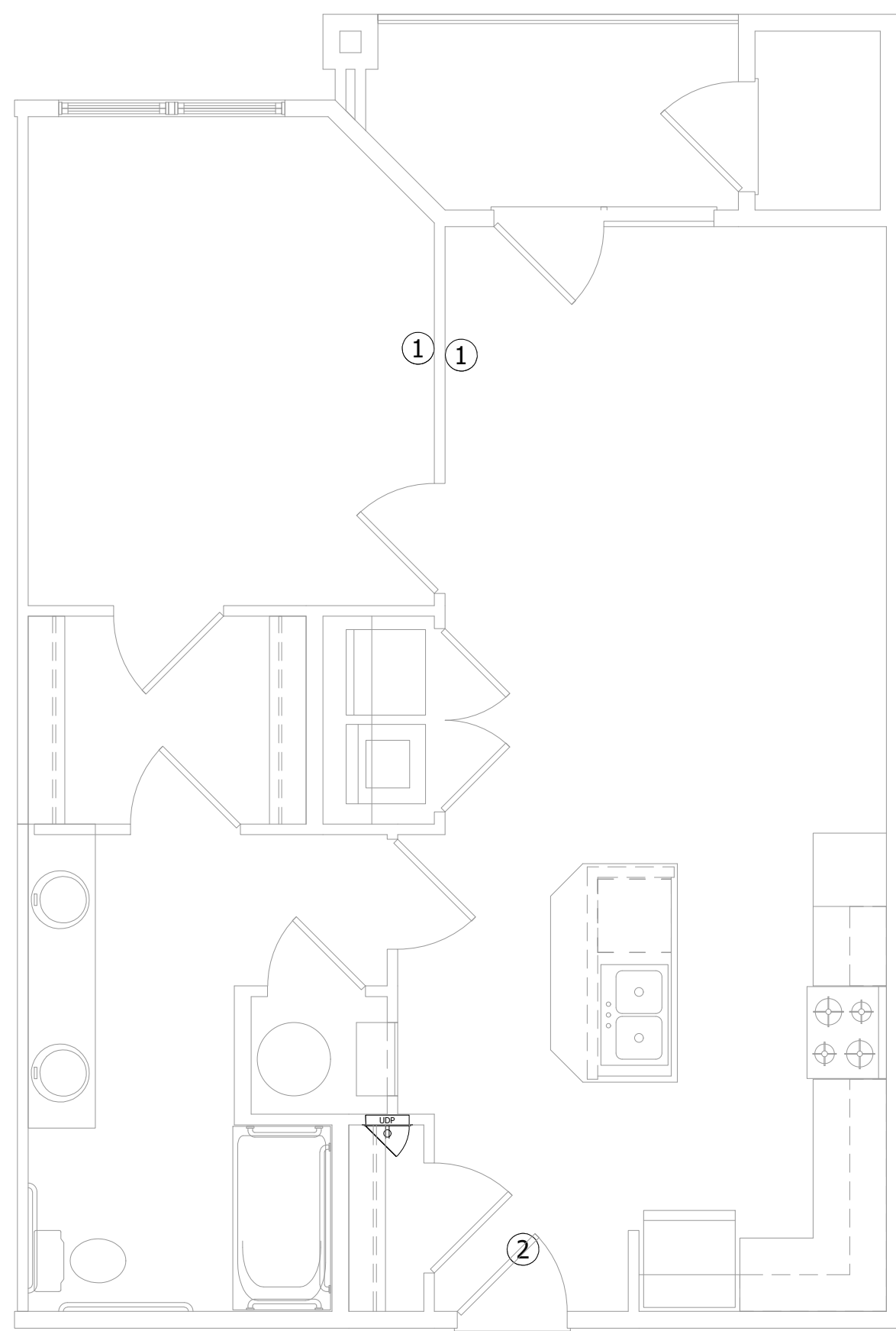


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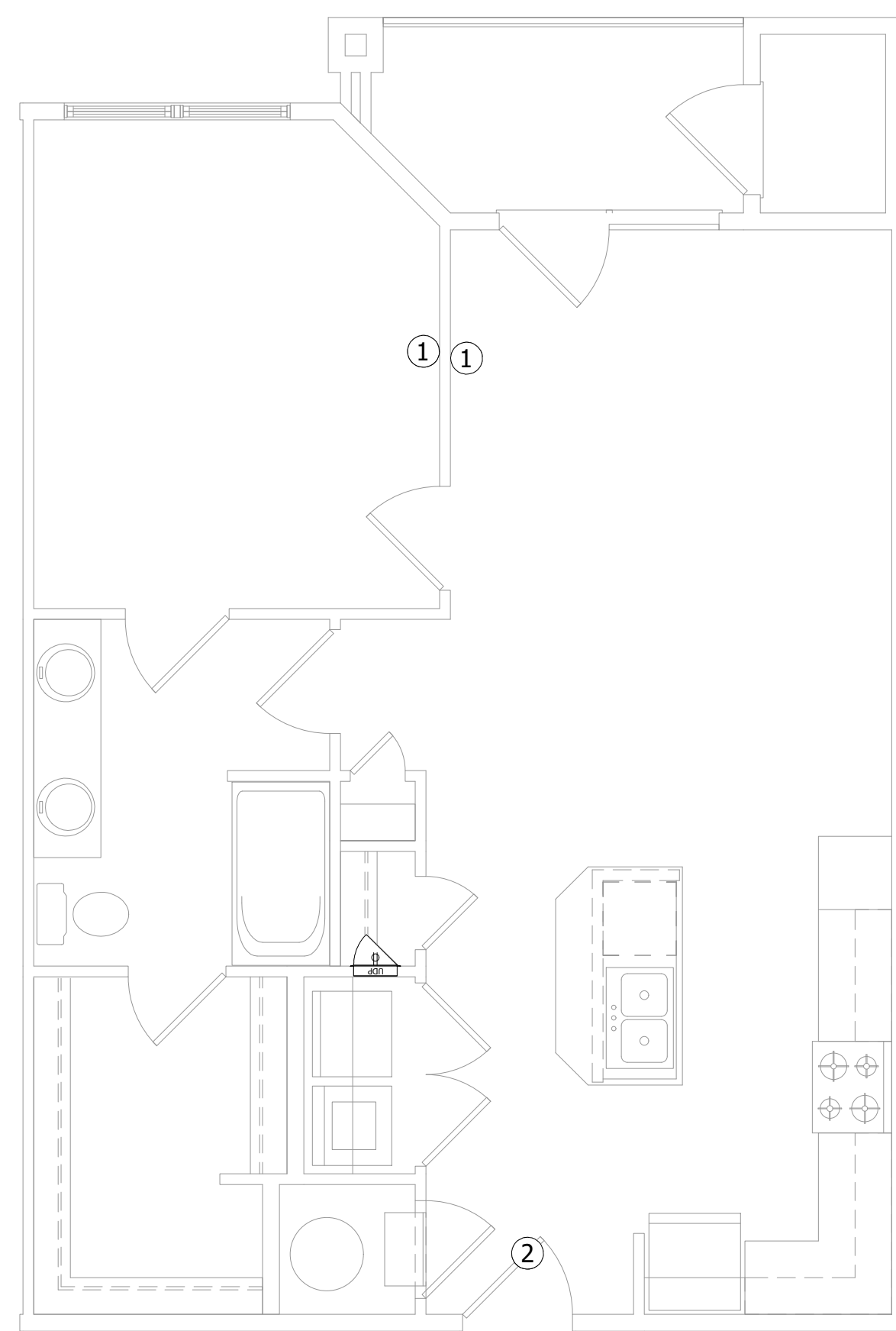
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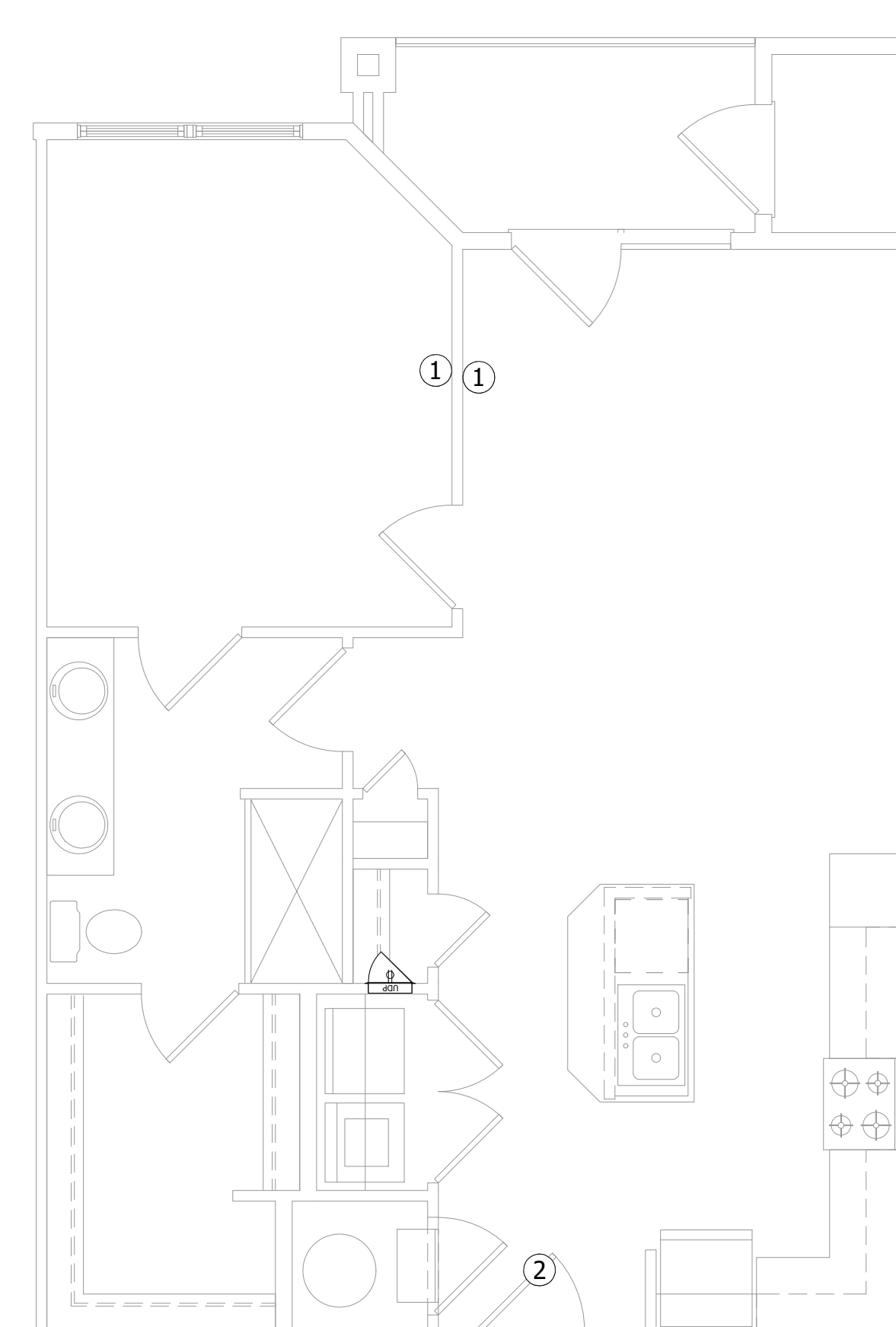
**LOW VOLTAGE
 UNIT LAYOUTS**



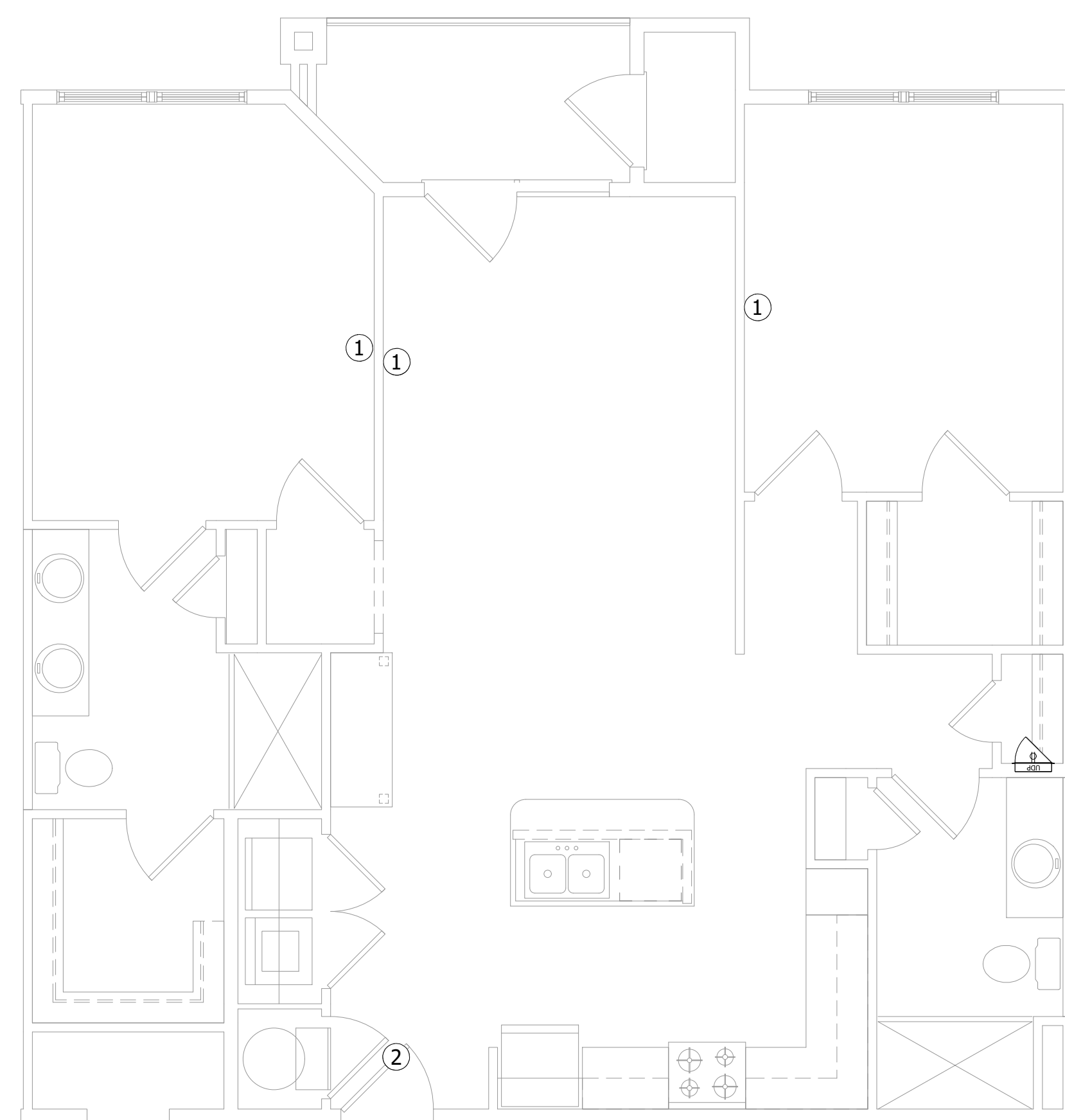
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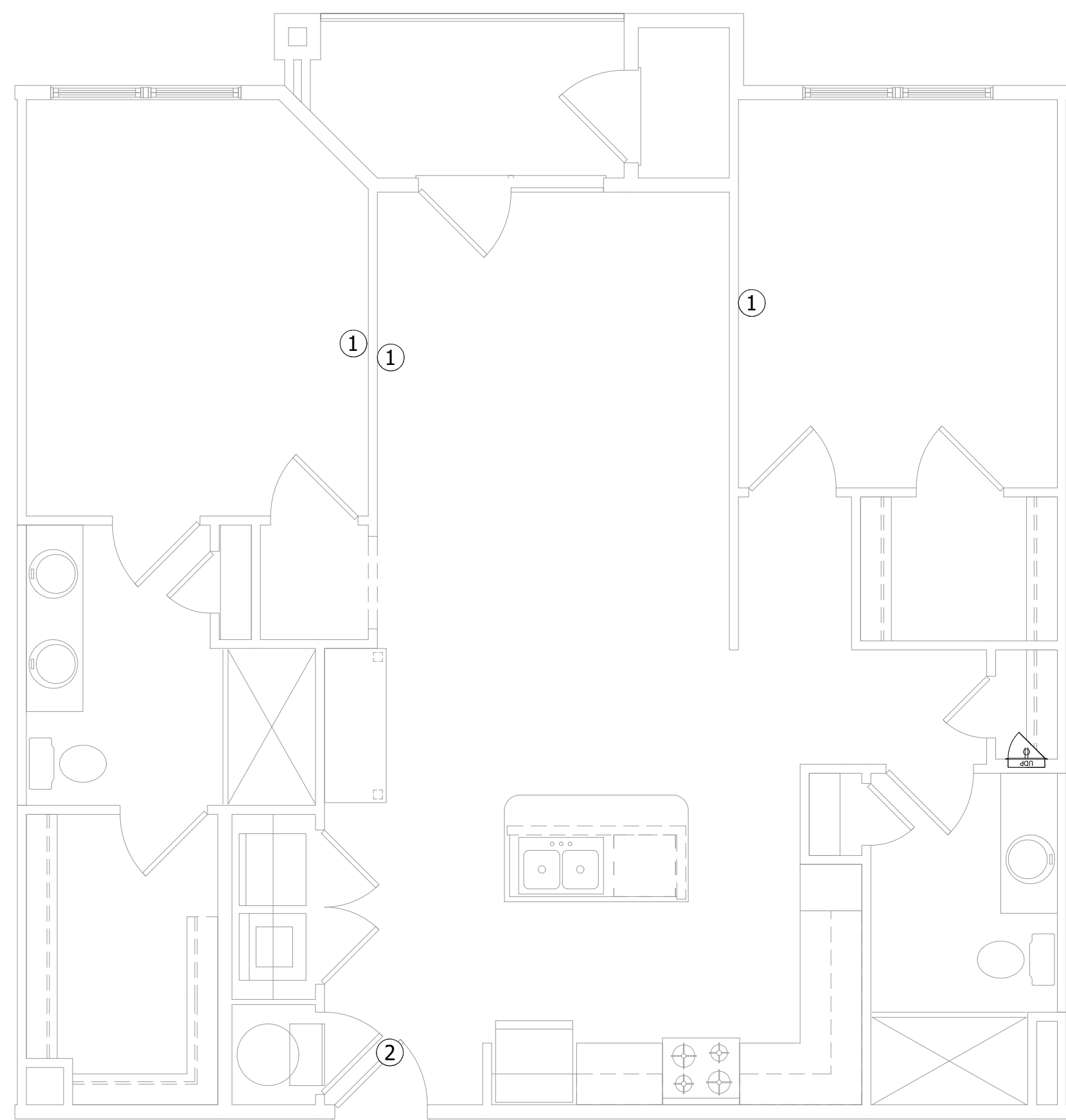
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 SCALE: 1/4"=1'-0"



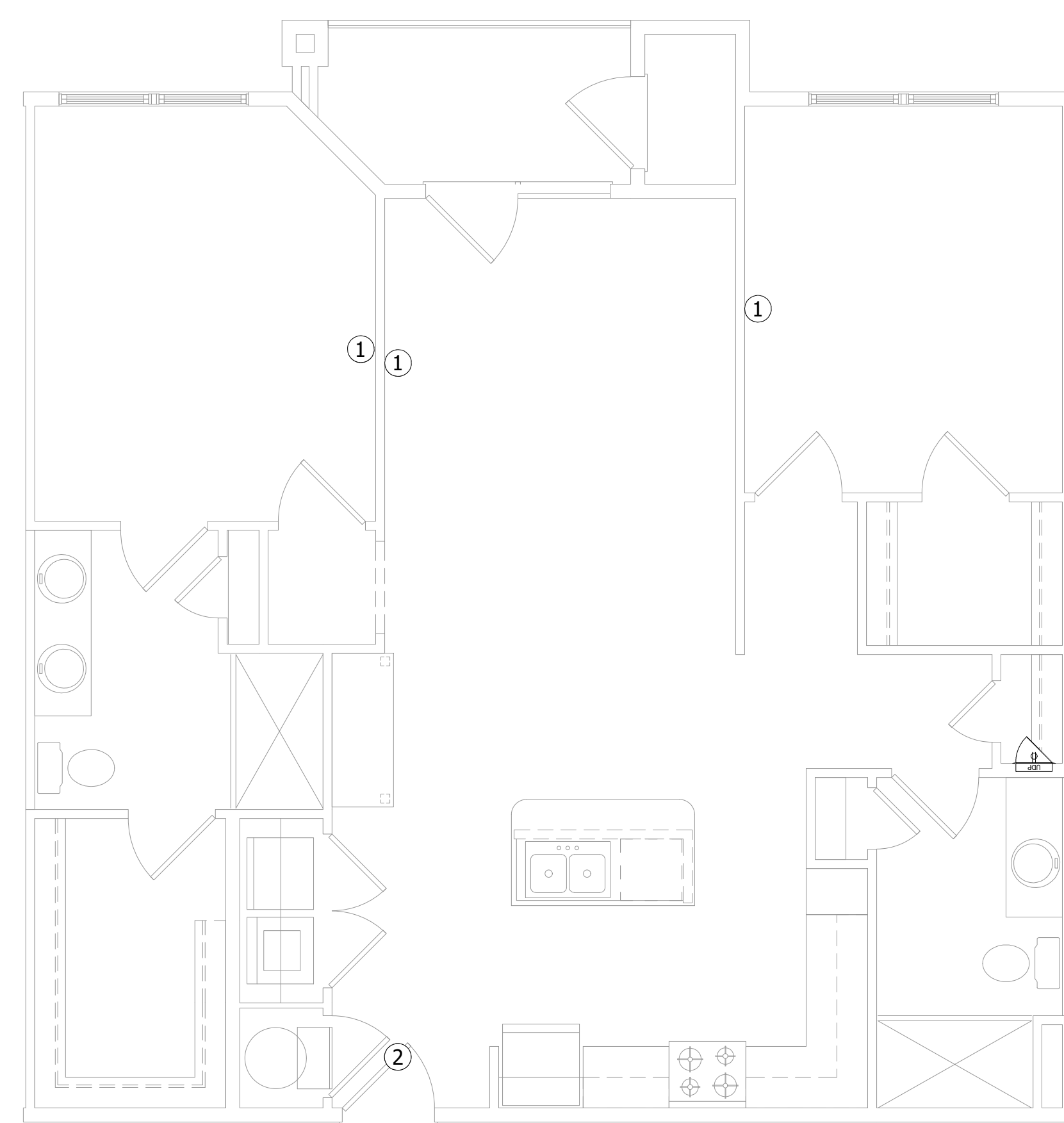
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 SCALE: 1/4"=1'-0"



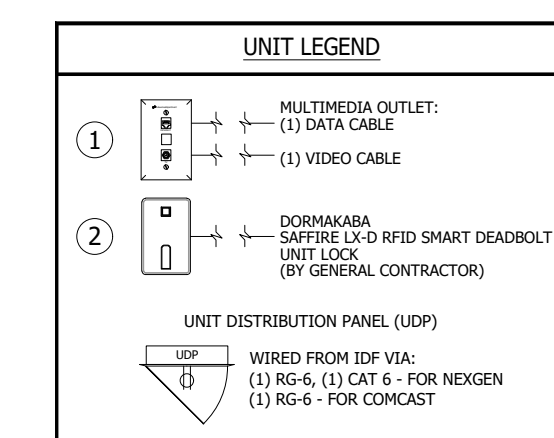
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5 UNIT TYPE 2.0 TYPE B INT W/ SHAFT
 SCALE: 1/4"=1'-0"



6 UNIT TYPE 2.0 TYPE B INT
 SCALE: 1/4"=1'-0"



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DRAWN: A. JONES

APPR: T. STENDER

JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL DRAWING NO:

0 **T-104**

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NetworkedApartment
 FTTA Ready

**LOW VOLTAGE
 UNIT LAYOUTS**

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 11/15/2021

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DATE: 08.19.21

SCALE: 1/4"=1'-0"

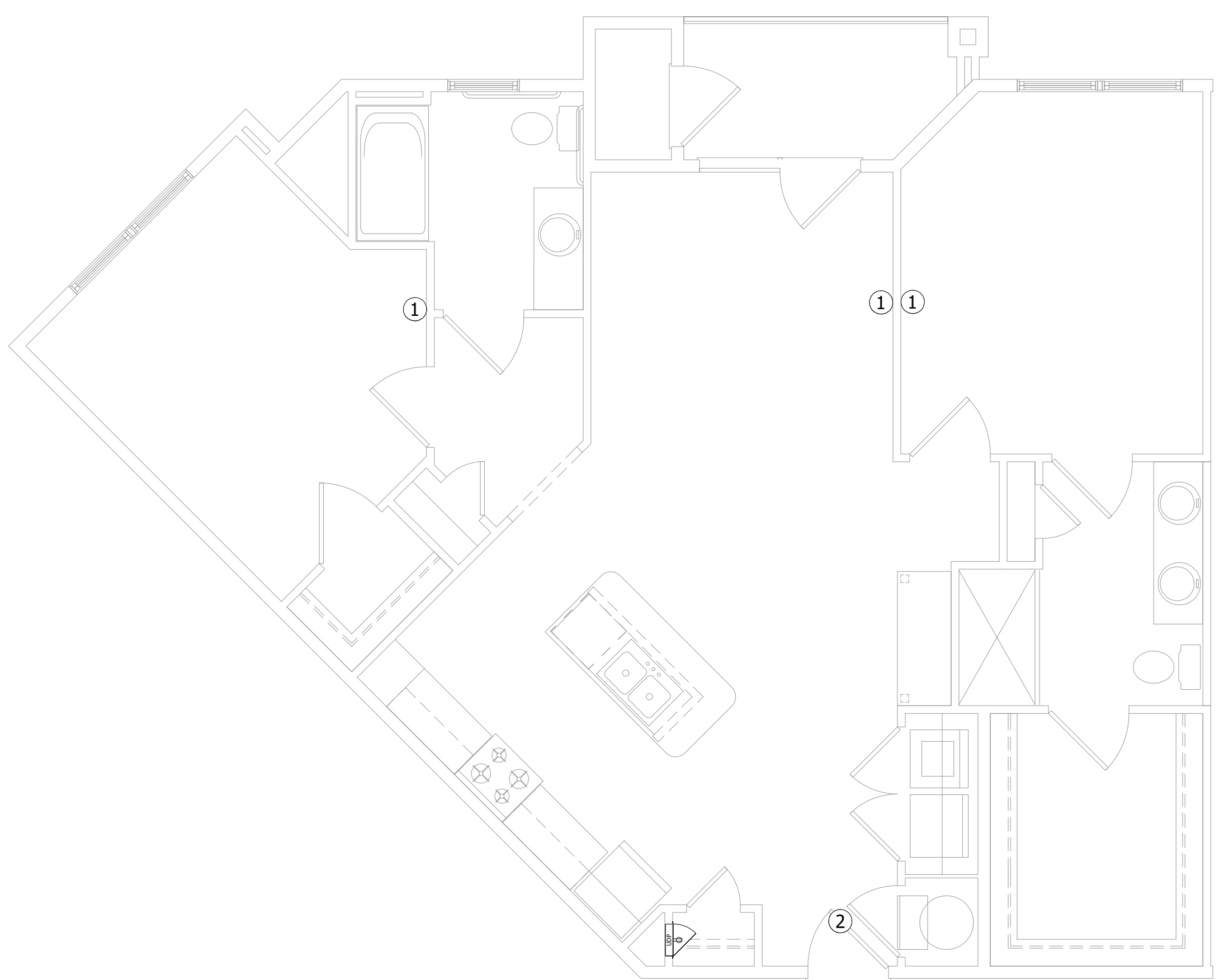
DRAWN: A. JONES

APPR: T. STENDER

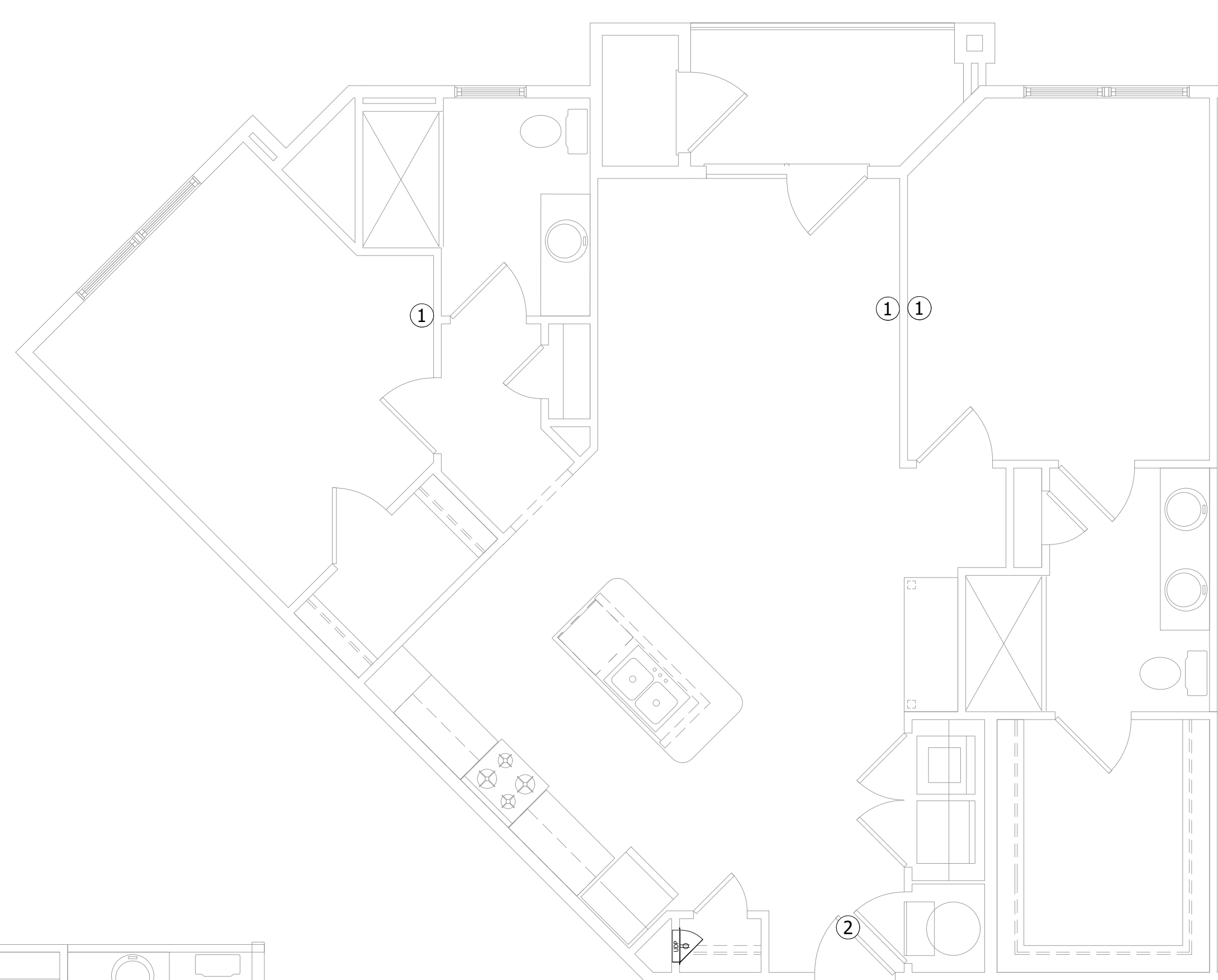
JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL DRAWING NO:

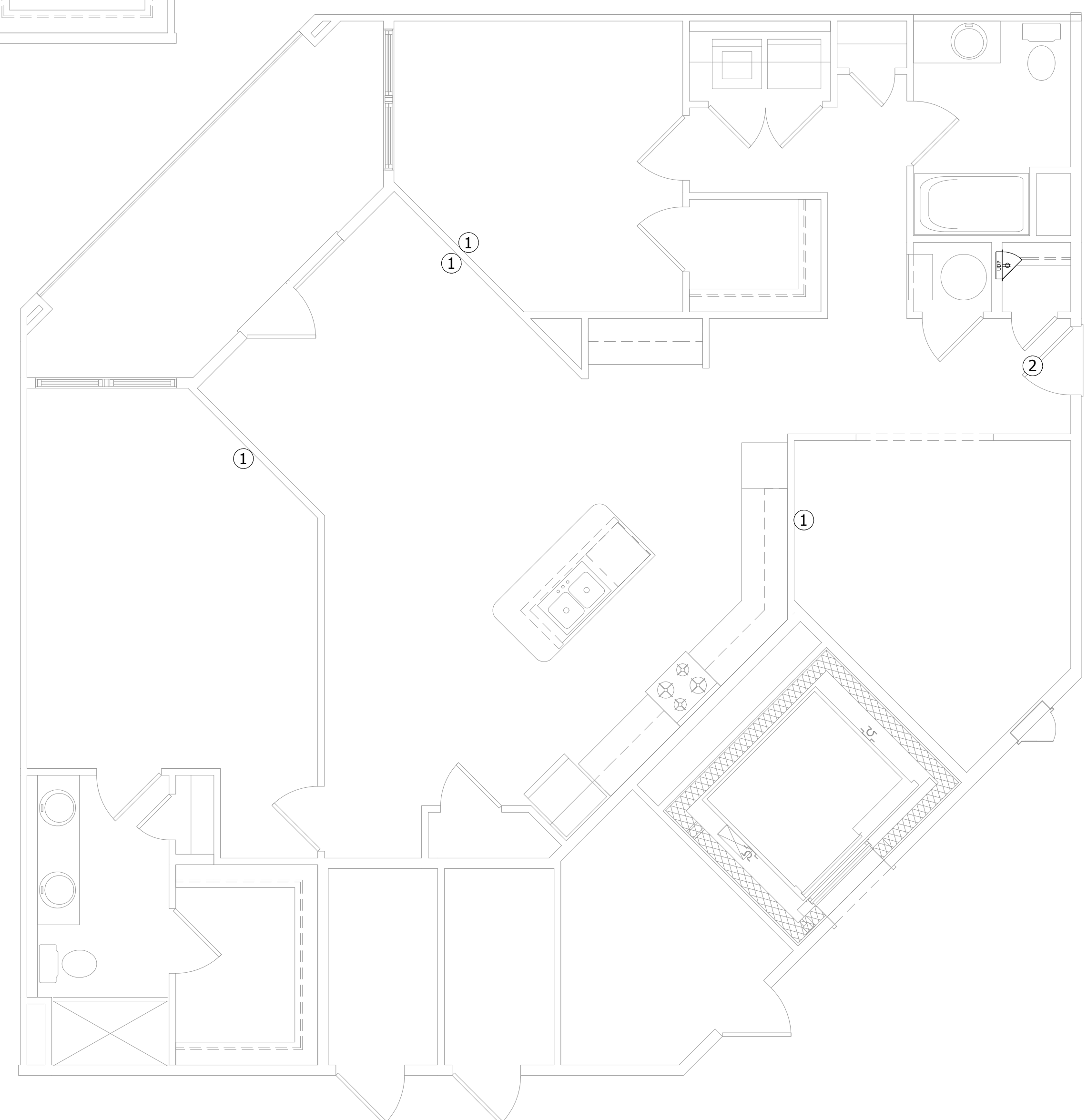
0 **T-105**



1 UNIT TYPE 2.1 TYPE A
 SCALE: 1/4"=1'-0"



2 UNIT TYPE 2.1 TYPE B
 SCALE: 1/4"=1'-0"



3 UNIT TYPE 2.2 TYPE B
 SCALE: 1/4"=1'-0"

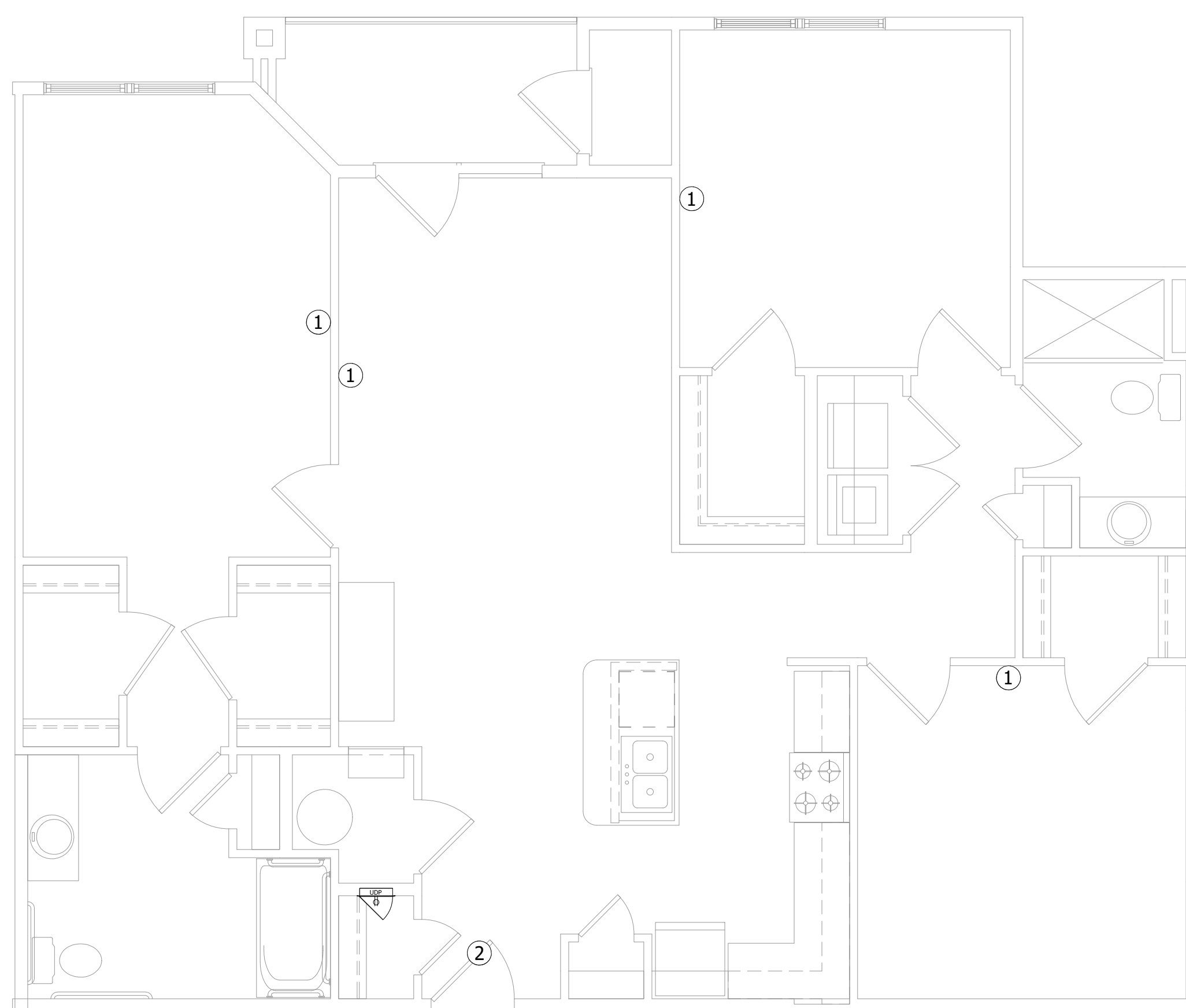
UNIT LEGEND	
1	MULTIMEDIA OUTLET: (1) DATA CABLE (1) VIDEO CABLE
2	DORMAKABA SAFESET 3.0-RSD SMART DEADBOLT UNIT LOCK (BY GENERAL CONTRACTOR)
UNIT DISTRIBUTION PANEL (UDP)	
UDP	WIRED FROM IDF VIA: (1) RG-6, (1) CAT 6 - FOR NEXGEN (1) RG-6 - FOR COMCAST

REVISIONS

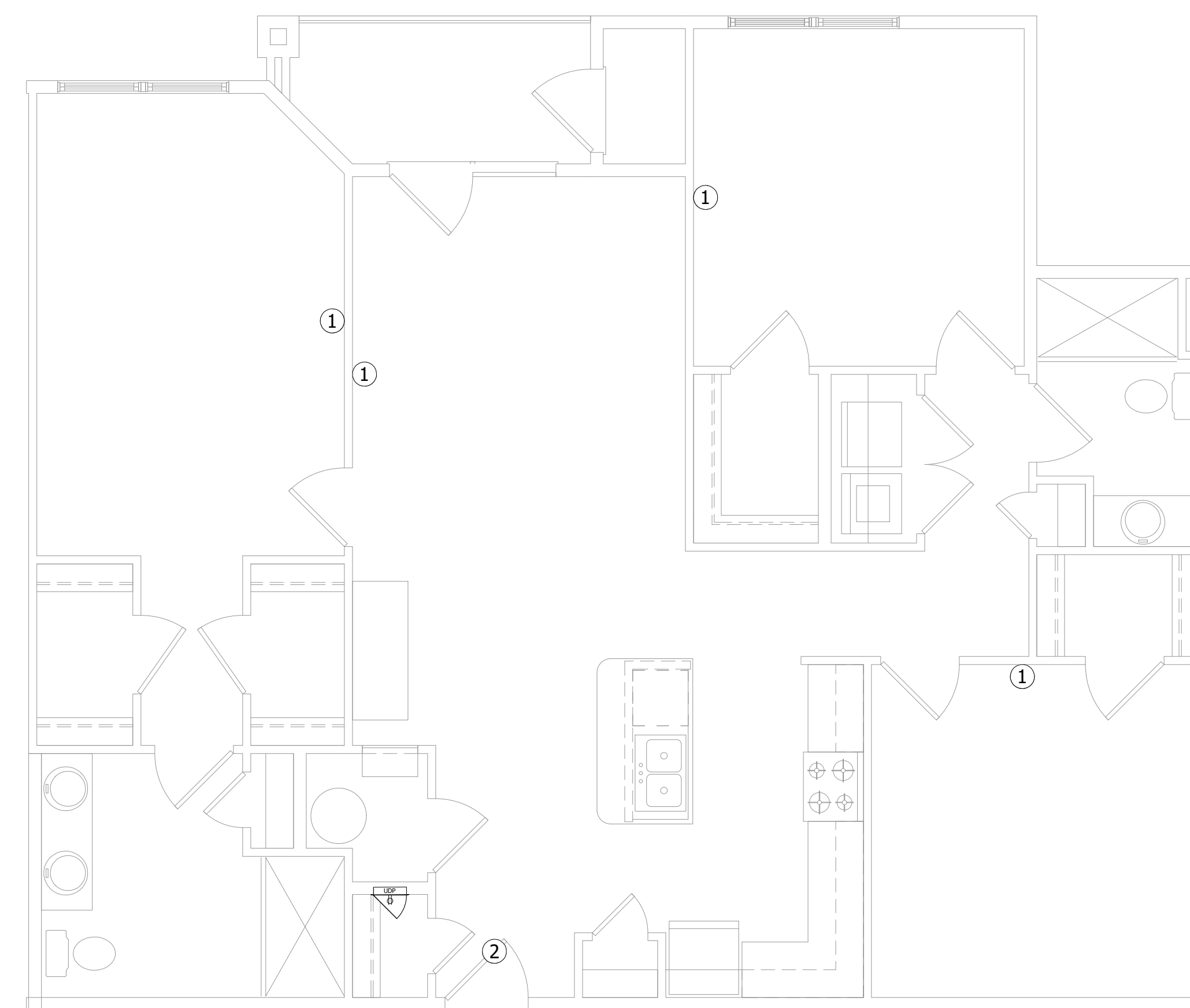
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NetworkedApartment
 FTTA Ready

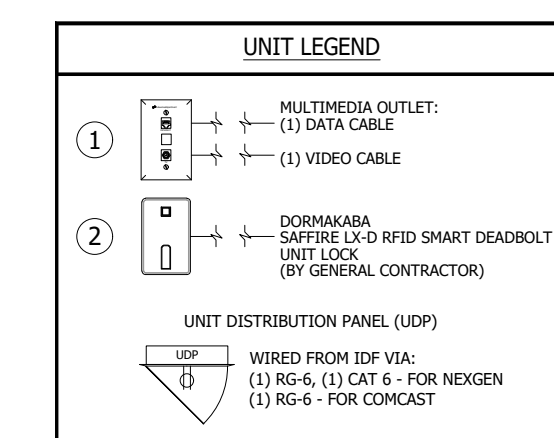
LOW VOLTAGE
 UNIT LAYOUTS



1 UNIT TYPE 3.0 TYPE A
 SCALE: 1/4"=1'-0"



2 UNIT TYPE 3.0 TYPE B
 SCALE: 1/4"=1'-0"



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DATE: 08.19.21

SCALE: 1/4"=1'-0"

DRAWN: A. JONES

APPR: T. STENDER

JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL DRAWING NO:
 0 T-106

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NetworkedApartment
 FTTA Ready

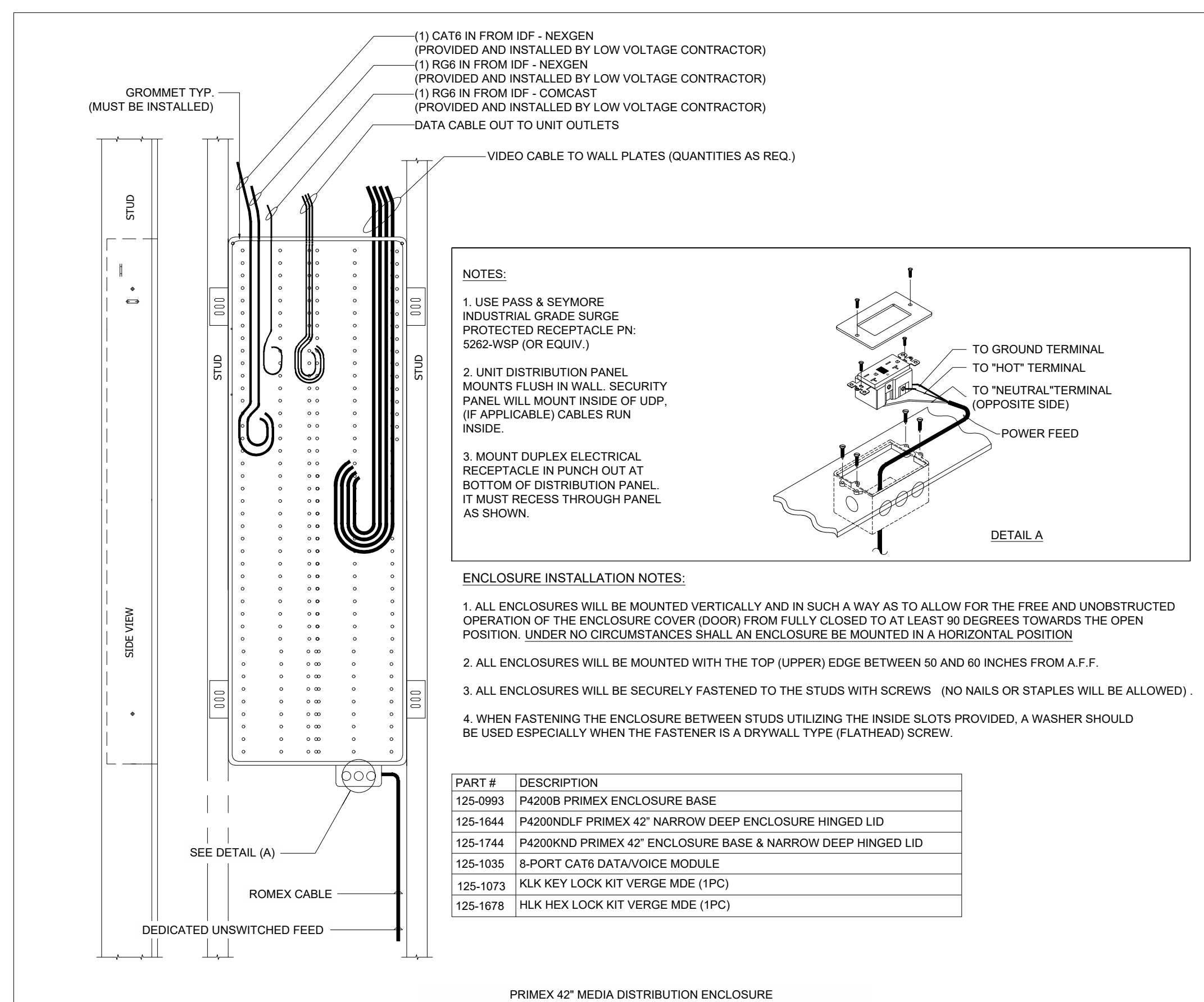
**LOW VOLTAGE
 UNIT DETAILS**

100% CONSTRUCTION DOCUMENTS
 11/15/2021

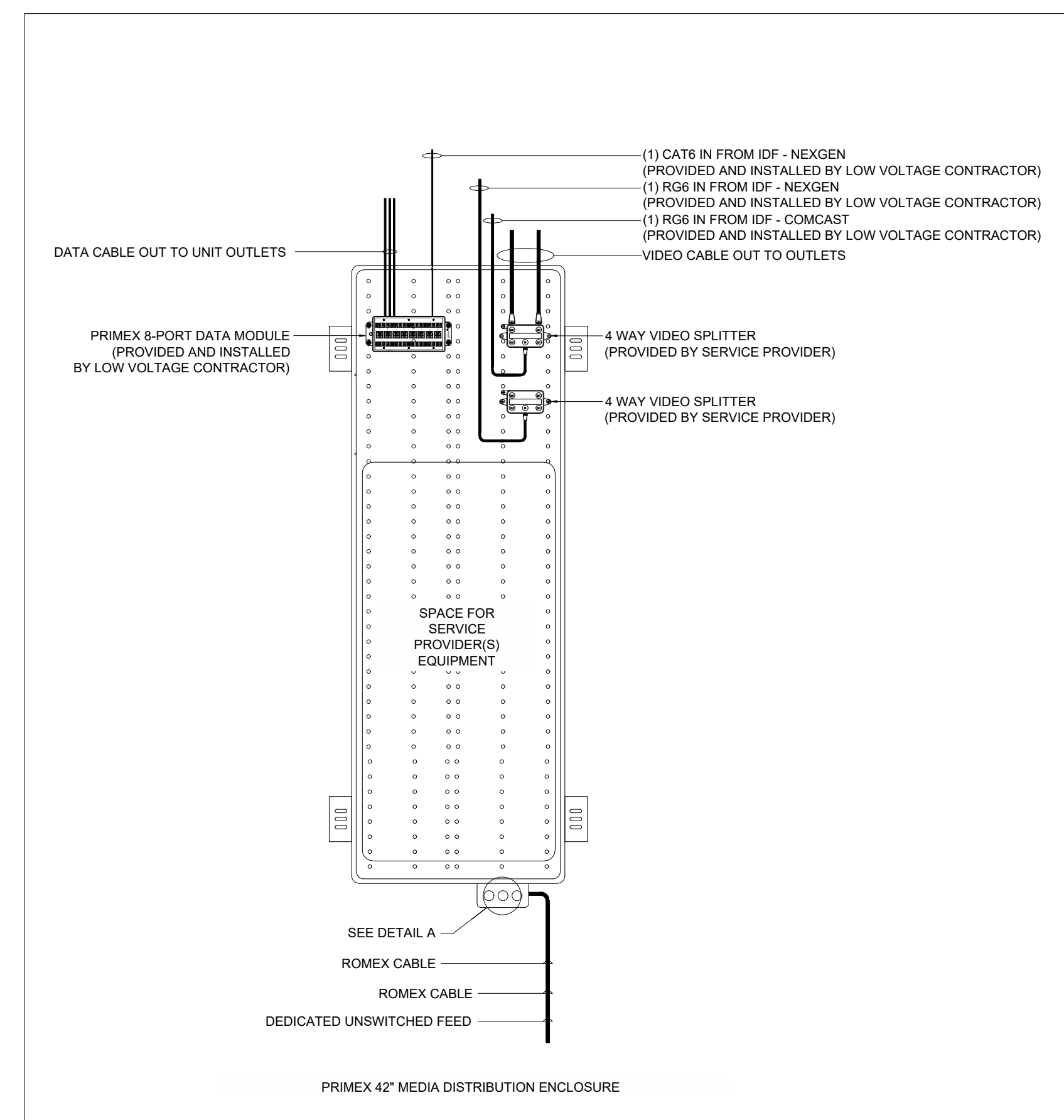
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DATE: 08.19.21
 SCALE: NTS
 DRAWN: A. JONES
 APPR: T. STENDER
 JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

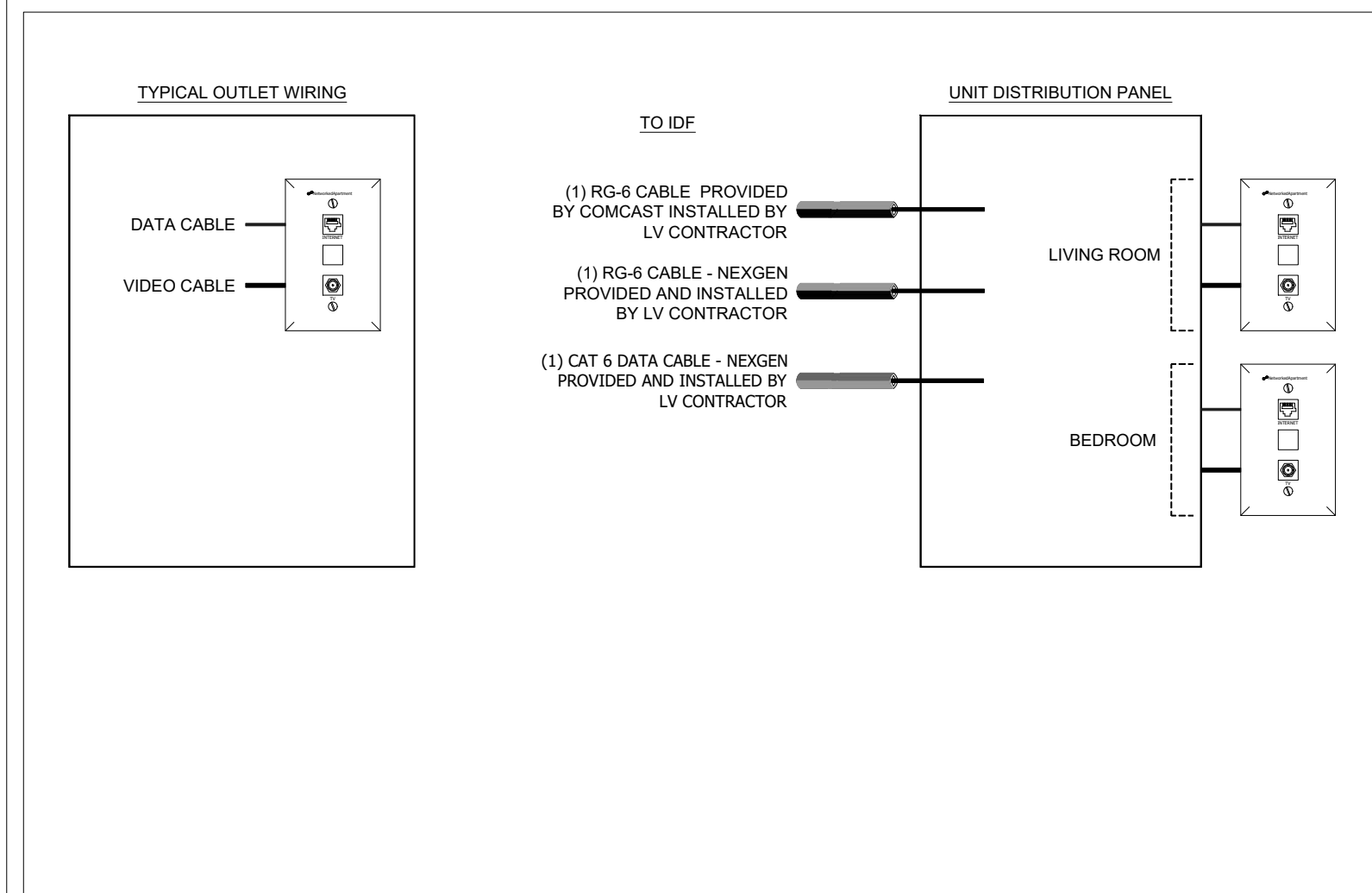
REV. LEVEL
 0
 DRAWING NO:
T-107



1 UDP ROUGH-IN (42" PRIMEX ENCLOSURE)
 SCALE: NTS



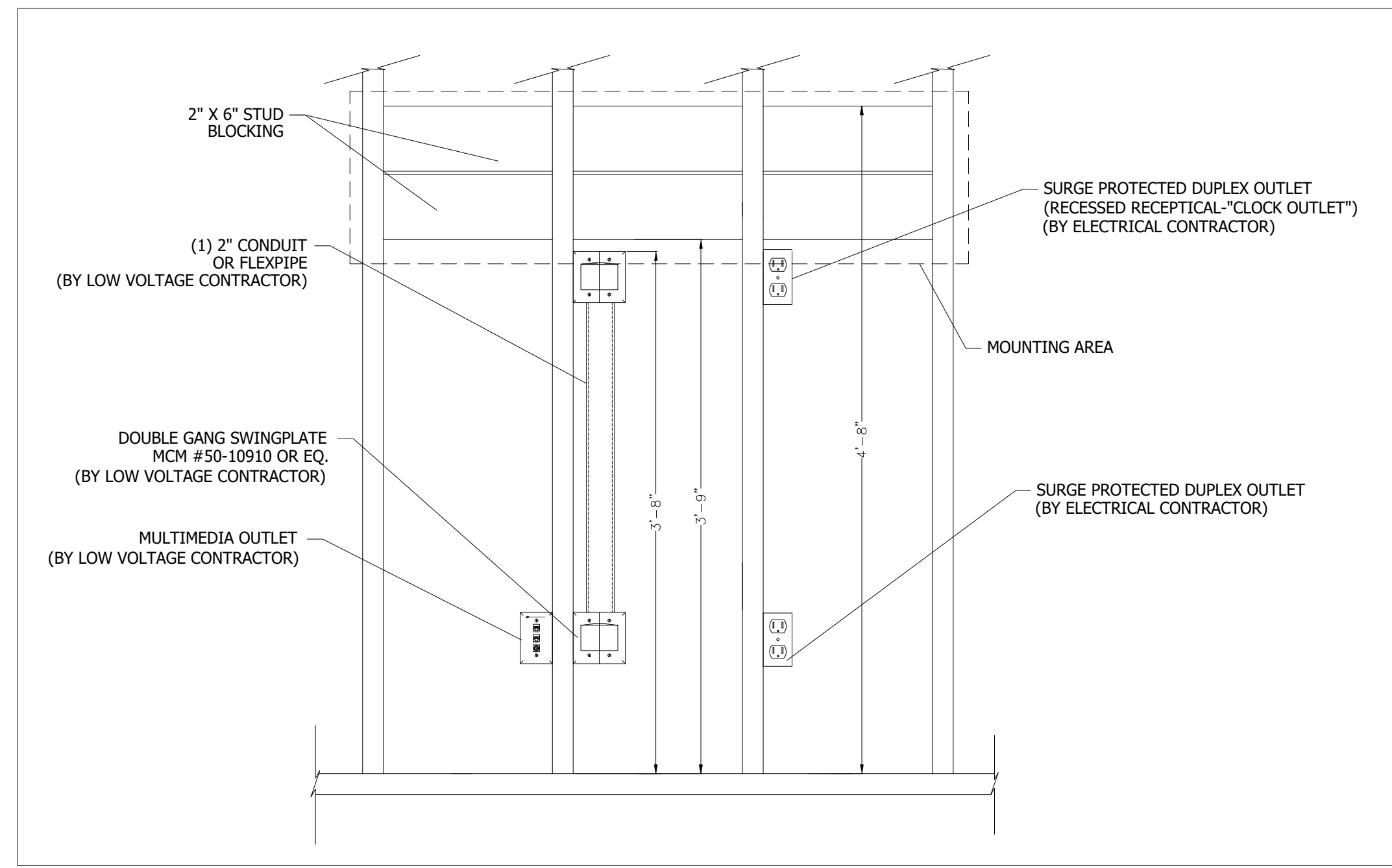
2 UDP TRIM OUT (42" PRIMEX ENCLOSURE)
 SCALE: NTS



3 UNIT BLOCK DIAGRAM
 SCALE: NTS



4 42" UDP PLACEMENT LOCATIONS IN CLOSETS
 SCALE: NTS

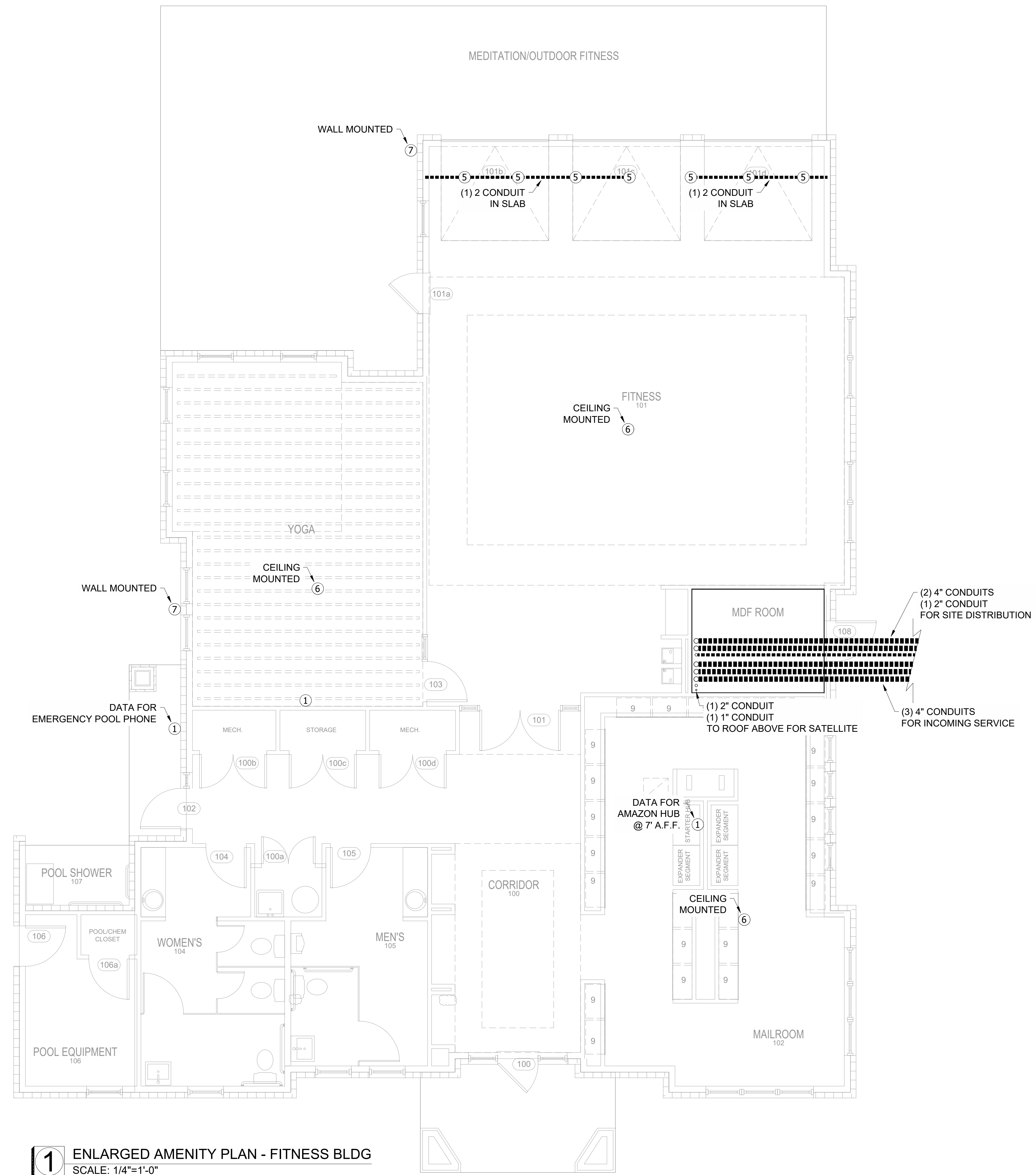


5 FLAT SCREEN BLOCKING DIAGRAM
 SCALE: NTS

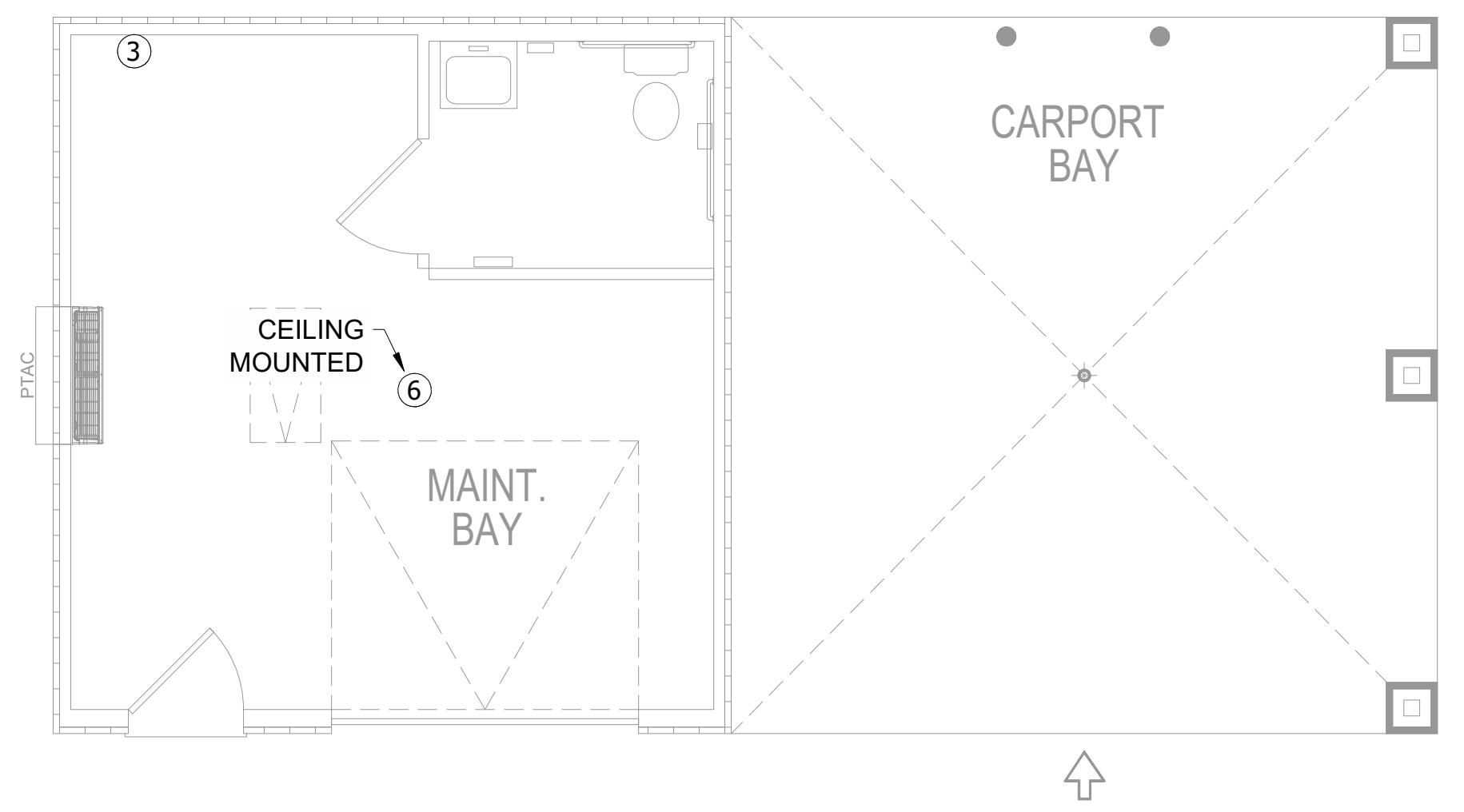
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NetworkedApartment
 FTTA Ready

LOW VOLTAGE ENLARGED AMENITIES PLANS



1 ENLARGED AMENITY PLAN - FITNESS BLDG
 SCALE: 1/4"=1'-0"



2 ENLARGED AMENITY PLAN - MAINTENANCE BLDG
 SCALE: 1/4"=1'-0"

CABLED TO MDF OR NEAREST IDF	
1	MULTIMEDIA OUTLET: (1) DATA CABLE
2	MULTIMEDIA OUTLET: (1) DATA CABLE (1) DATA CABLE (1) DATA CABLE (1) VIDEO CABLE
3	MULTIMEDIA OUTLET: (1) DATA CABLE (1) DATA CABLE
4	FLOOR MOUNTED OUTLET: (1) DATA CABLE (1) DATA CABLE
5	FLOOR MOUNTED OUTLET: (1) VIDEO CABLE (1) DATA CABLE (1) DATA CABLE
6	WIRELESS ACCESS POINT (INDOOR) (1) CAT-6 CABLE TO MDF 40A-40B0, 11AC, NBD, (RUCKUS R710 OR EQUIV.)
7	WIRELESS ACCESS POINT (OUTDOOR) (1) CAT-6 CABLE TO MDF 40A-40B0, 11AC, NBD, (RUCKUS R710 OR EQUIV.)

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DATE: 08.19.21
 SCALE: 1/4"=1'-0"
 DRAWN: A. JONES
 APPR: T. STENDER
 JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL: 0
 DRAWING NO: T-108

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NetworkedApartment
 FTTA Ready

**LOW VOLTAGE
 ENLARGED
 AMENITIES
 PLANS**

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DATE: 08.19.21

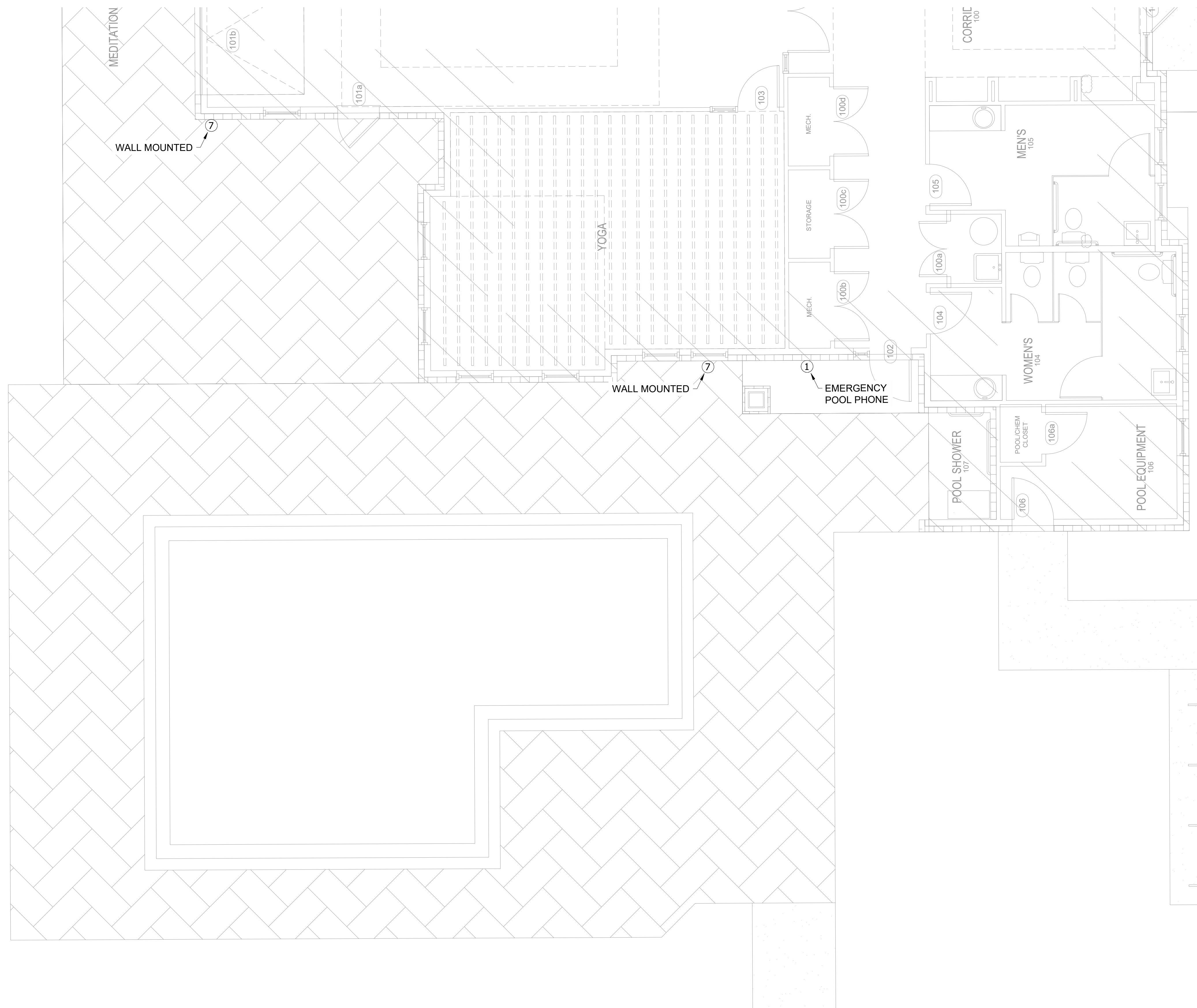
SCALE: 1/4"=1'-0"

DRAWN: A. JONES

APPR: T. STENDER

JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL	DRAWING NO:
0	T-109



1 ENLARGED AMENITY PLAN - POOL COURTYARD
 SCALE: 1/4"=1'-0"

CABLED TO MDF OR NEAREST IDF	
1	MULTIMEDIA OUTLET: (1) DATA CABLE
2	MULTIMEDIA OUTLET: (1) DATA CABLE (1) DATA CABLE (1) VIDEO CABLE
3	MULTIMEDIA OUTLET: (1) DATA CABLE (1) DATA CABLE
4	FLOOR MOUNTED OUTLET: (1) DATA CABLE (1) DATA CABLE
5	FLOOR MOUNTED OUTLET: (1) VIDEO CABLE (1) DATA CABLE (1) DATA CABLE
6	WIRELESS ACCESS POINT (INDOOR) (1) CAT-6 CABLE TO MDF 40A-40B0, 11AC W/O (RUCKUS R710 OR EQUIV.)
7	WIRELESS ACCESS POINT (OUTDOOR) (1) CAT-6 CABLE TO MDF 40A-40B0, 11AC W/O (RUCKUS R710 OR EQUIV.)

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NetworkedApartment
 FTTA Ready

**LOW VOLTAGE
 OVERALL SITE
 ACCESS CTRL
 PLAN**

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 11/15/2021

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DATE: 08.19.21

SCALE: 1" = 40'-0"

DRAWN: A. JONES

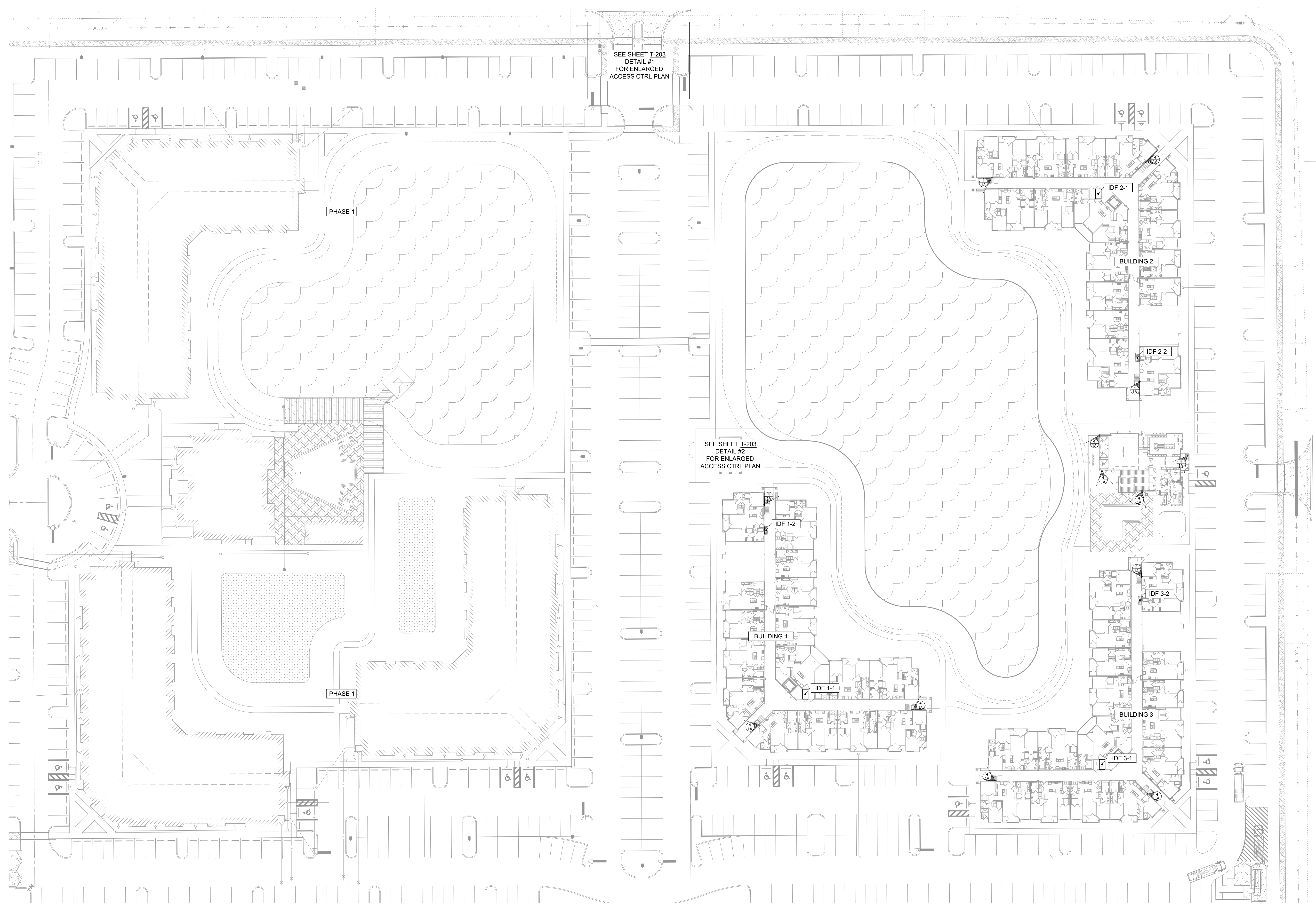
APPR: T. STENDER

JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL

DRAWING NO:
T-200

0



1 LOW VOLTAGE OVERALL SITE ACCESS CTRL PLAN
 SCALE: 1" = 40'-0"

ACCESS CONTROL AND SECURITY CAMERAS	
1	KEYSCAN SRK-RHEC2 (FLUSH MOUNT) READER W/BLU
2	ELECTRIFIED HARDWARE (SEE DOOR HARDWARE SCHEDULE)
3	INDOOR IP MEGAPIXEL CAMERA-PSE SMP W/EN (1) DATA CABLE TO IDF OR MDF AS NOTED
4	OUTDOOR IP MEGAPIXEL CAMERA-PSE SMP W/EN (1) DATA CABLE TO IDF OR MDF AS NOTED
5	ANNUNCIATOR PANEL LOCATED AT LEASING DESK
6	TELEPHONE ENTRY PANEL (1) DATA CABLE - PHONE (1) DATA CABLE - DATA TO MDF OR IDF AS NOTED

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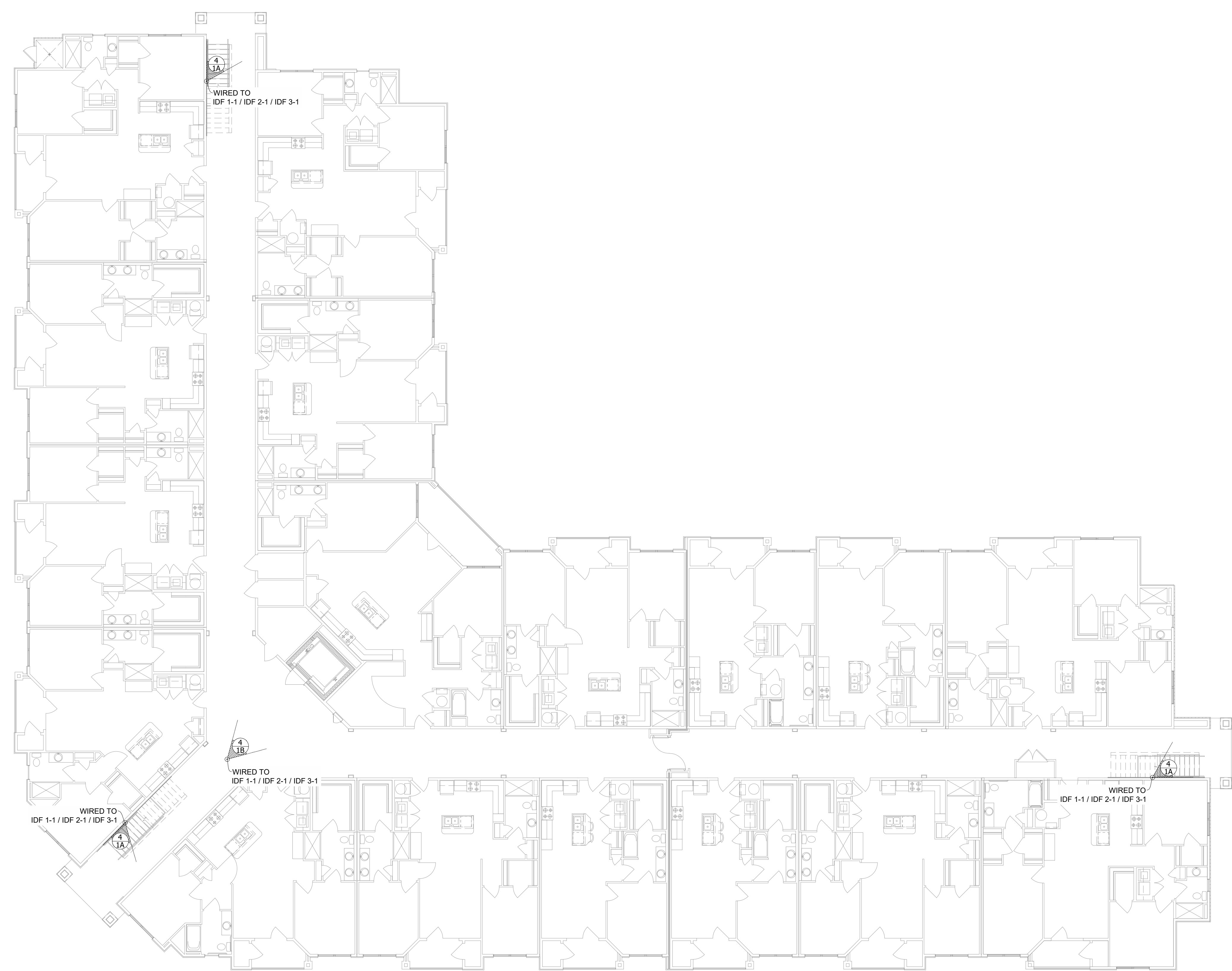
NetworkedApartment
 FTTA Ready

**LOW VOLTAGE
 BLDGS 1, 2, AND 3
 FIRST FLOOR
 ACCESS CTRL
 PLANS**

100% CONSTRUCTION DOCUMENTS
 11/15/2021

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DATE: 08.19.21
 SCALE: 3/32"=1'-0"
 DRAWN: A. JONES
 APPR: T. STENDER
 JOB: ZDC - CAPE CORAL PHASE 2 SURFSIDE APTS. #002221
 REV. LEVEL: 0
 DRAWING NO: **T-201**



1 LOW VOLTAGE BLDGS 1, 2, AND 3 - FIRST FLOOR ACCESS CTRL PLANS
 SCALE: 3/32"=1'-0"

ACCESS CONTROL AND SECURITY CAMERAS

XX	CAMERA TYPE
XX	MOUNTING TYPE

MOUNTING TYPE:
 1A - WALL MOUNTED CAMERA - MOUNT @ A MIN. 10'-0" A.F.F.
 1B - CEILING MOUNTED CAMERA
 1C - FLUSH MOUNTED CAMERA

SEE SHEET T-203 FOR CAMERA MOUNTING TYPE DETAILS

1	←	NETSCAN 3000-AN121 (FLUSH MOUNT) READER W/BLU
2	←	ELECTRIFIED HARDWARE (SEE DOOR HARDWARE SCHEDULE)
3	←	INDOOR IP MEGAPIXEL CAMERA-P/IE SMP MTL (1) DATA CABLE TO IDF OR MDF AS NOTED
4	←	OUTDOOR IP MEGAPIXEL CAMERA-P/IE SMP MTL (1) DATA CABLE TO IDF OR MDF AS NOTED
5	←	ANNUNCIATOR PANEL LOCATED AT LEASING DESK
6	←	TELEPHONE ENTRY PANEL (1) DATA CABLE - PHONE (1) DATA CABLE - DATA TO MDF OR IDF AS NOTED

REVISIONS

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NetworkedApartment
 FTTA Ready

LOW VOLTAGE
 ENLARGED
 AMENITIES
 ACCESS CTRL
 PLANS

100% CONSTRUCTION DOCUMENTS
 11/15/2021

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DATE: 08.19.21

SCALE: 1/4"=1'-0"

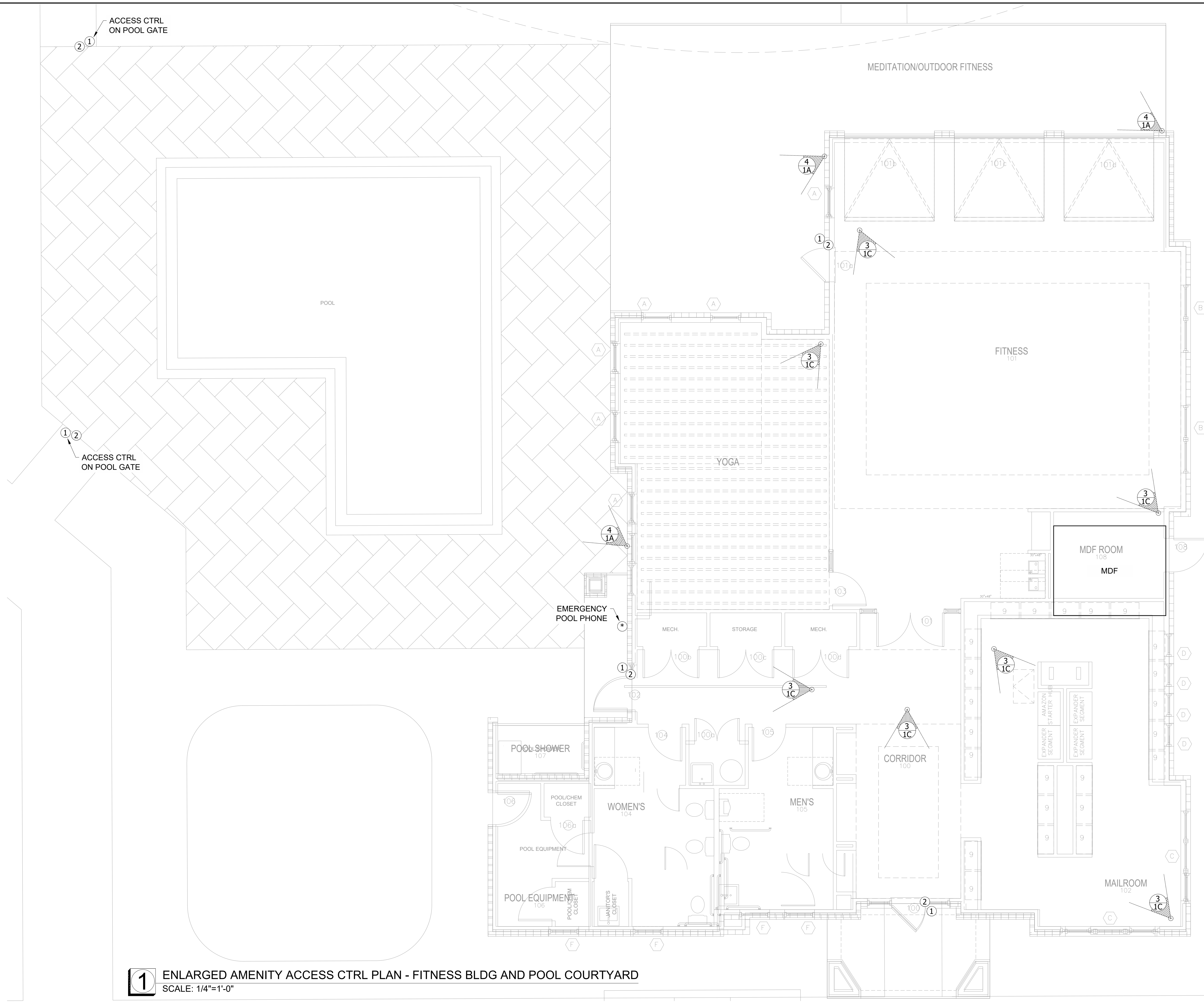
DRAWN: A. JONES

APPR: T. STENDER

JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL DRAWING NO:

0 **T-202**



1 ENLARGED AMENITY ACCESS CTRL PLAN - FITNESS BLDG AND POOL COURTYARD
 SCALE: 1/4"=1'-0"

XX	CAMERA TYPE
XX	MOUNTING TYPE
MOUNTING TYPE:	
1A	WALL MOUNTED CAMERA - MOUNT @ A MIN. 10'-0" A.F.F.
1B	CEILING MOUNTED CAMERA
1C	FLUSH MOUNTED CAMERA
* SEE SHEET T-204 FOR CAMERA MOUNTING TYPE DETAILS *	
ACCESS CONTROL AND SECURITY CAMERAS	
1	NETSCAN 3000-ANZC (FLUSH MOUNT) READER W/IRL
2	ELECTRIFIED HARDWARE (SEE DOOR HARDWARE SCHEDULE)
3	INDOOR IP MEGAPIXEL CAMERA-PRE SMP MTL (1) DATA CABLE TO IDF OR MDF AS NOTED
4	OUTDOOR IP MEGAPIXEL CAMERA-PRE SMP MTL (1) DATA CABLE TO IDF OR MDF AS NOTED
5	ANNUNCIATOR PANEL LOCATED AT LEASING DESK
6	TELEPHONE ENTRY PANEL (1) DATA CABLE - PHONE (1) DATA CABLE - DATA TO MDF OR IDF AS NOTED

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NetworkedApartment
 FTTA Ready

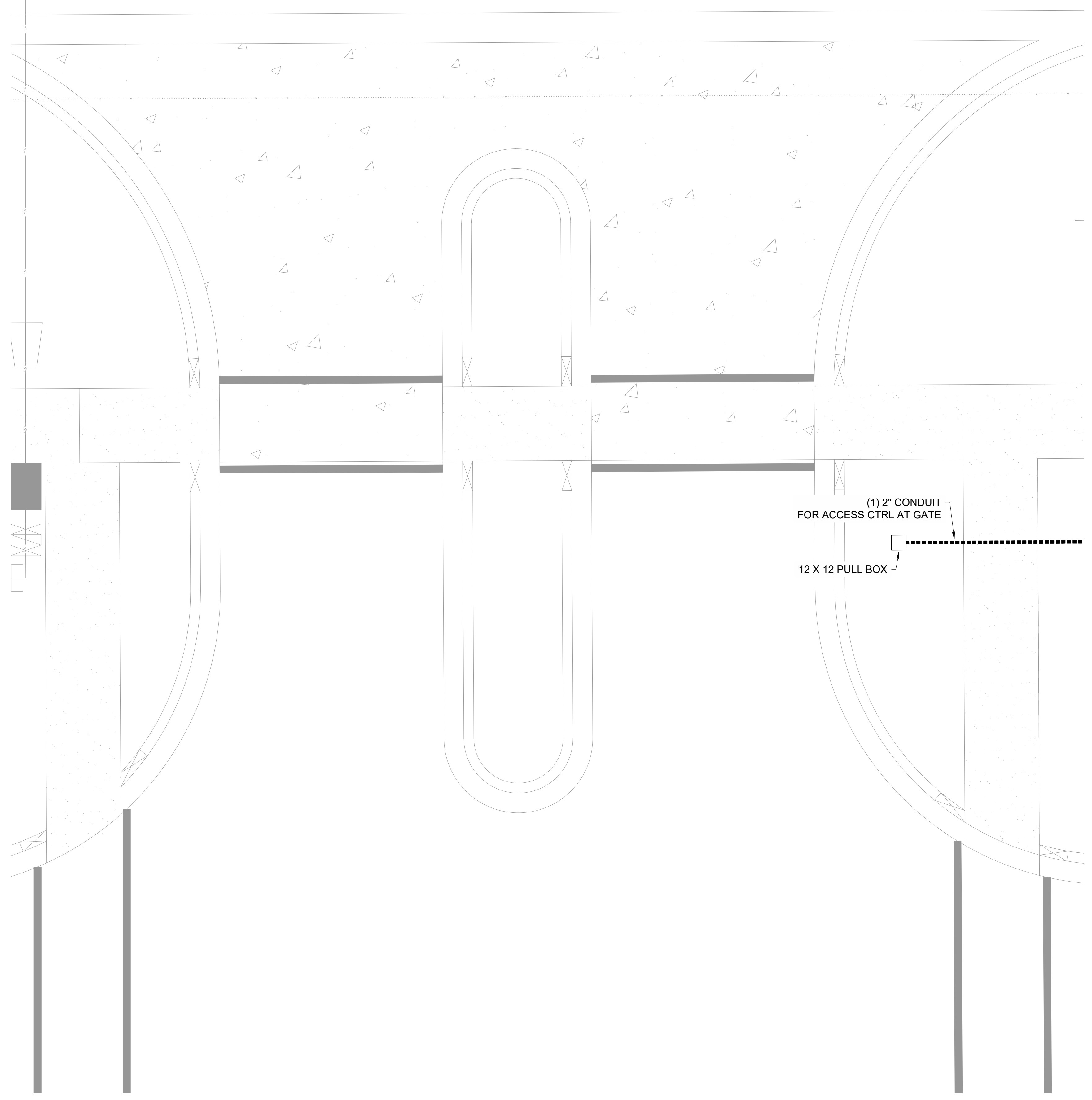
**LOW VOLTAGE
 ENLARGED
 AMENITIES
 ACCESS CTRL
 PLANS**

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 11/15/2021

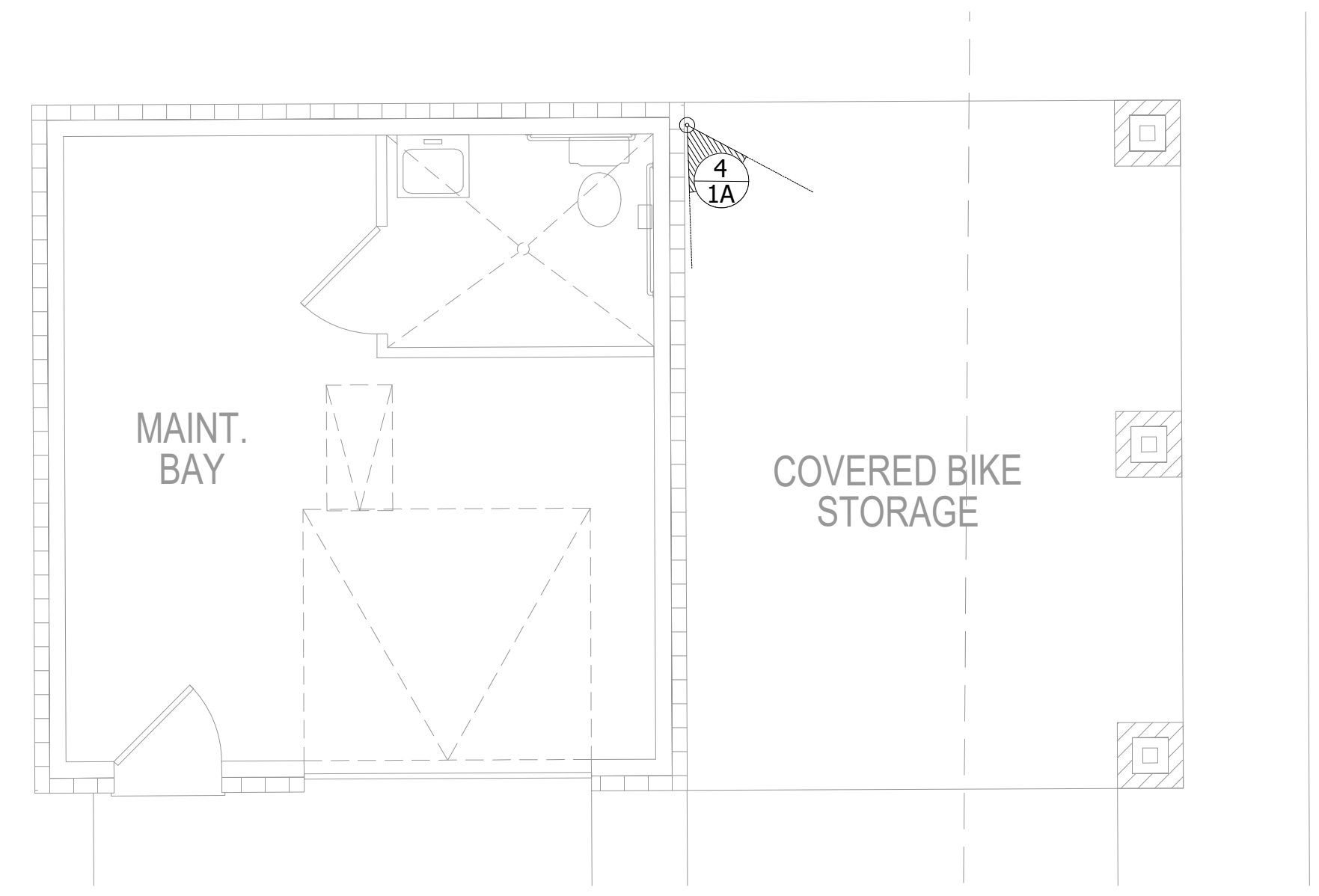
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DATE: 08.19.21
 SCALE: 1/4"=1'-0"
 DRAWN: A. JONES
 APPR: T. STENDER
 JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL	DRAWING NO:
0	T-203



1 ENLARGED ENTRY GATE ACCESS CTRL PLAN
 SCALE: 1/4"=1'-0"



2 ENLARGED AMENITY ACCESS CTRL PLAN - MAINTENANCE BLDG
 SCALE: 1/4"=1'-0"

ACCESS CONTROL AND SECURITY CAMERAS

XX — CAMERA TYPE
 XX — MOUNTING TYPE

MOUNTING TYPE:
 1A - WALL MOUNTED CAMERA - MOUNT @ A MIN. 10'-0" A.F.F.
 1B - CEILING MOUNTED CAMERA
 1C - FLUSH MOUNTED CAMERA

SEE SHEET T-204 FOR CAMERA MOUNTING TYPE DETAILS

1 KETSCAN SRK-AN121 (FLUSH MOUNT) READER W/BLU

2 ELECTRIFIED HARDWARE (SEE DOOR HARDWARE SCHEDULE)

3 INDOOR IP MEGAPIXEL CAMERA-POE SMP MHL (1) DATA CABLE TO IDF OR MDF AS NOTED

4 OUTDOOR IP MEGAPIXEL CAMERA-POE SMP MHL (1) DATA CABLE TO IDF OR MDF AS NOTED

5 ANNUNCIATOR PANEL LOCATED AT LEASING DESK

6 TELEPHONE ENTRY PANEL (1) DATA CABLE - PHONE TO IDF OR IDF AS NOTED (1) DATA CABLE - DATA TO IDF OR IDF AS NOTED

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LOW VOLTAGE
 ACCESS CTRL
 DETAILS

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DATE: 08.19.21

SCALE: NTS

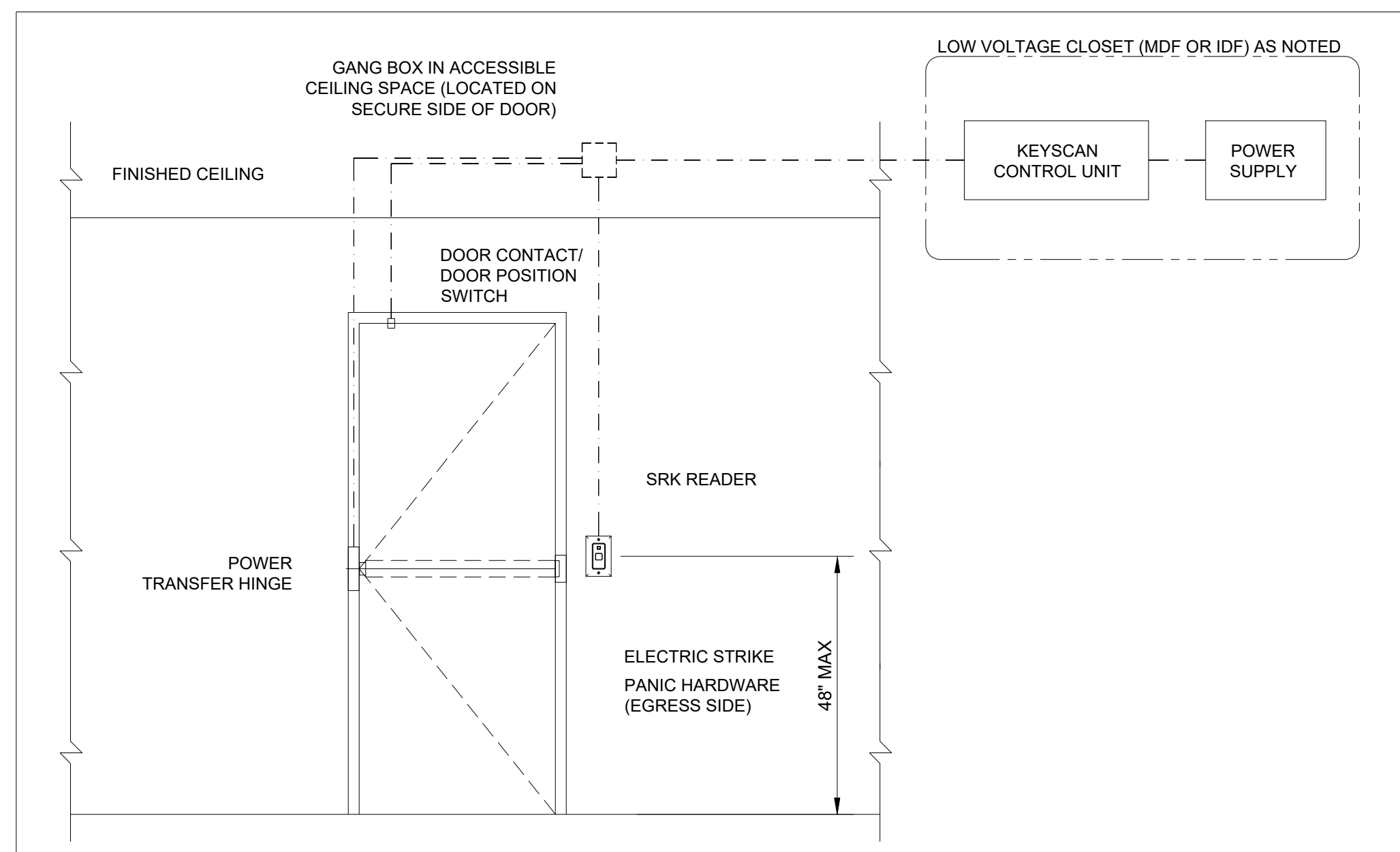
DRAWN: A. JONES

APPR: T. STENDER

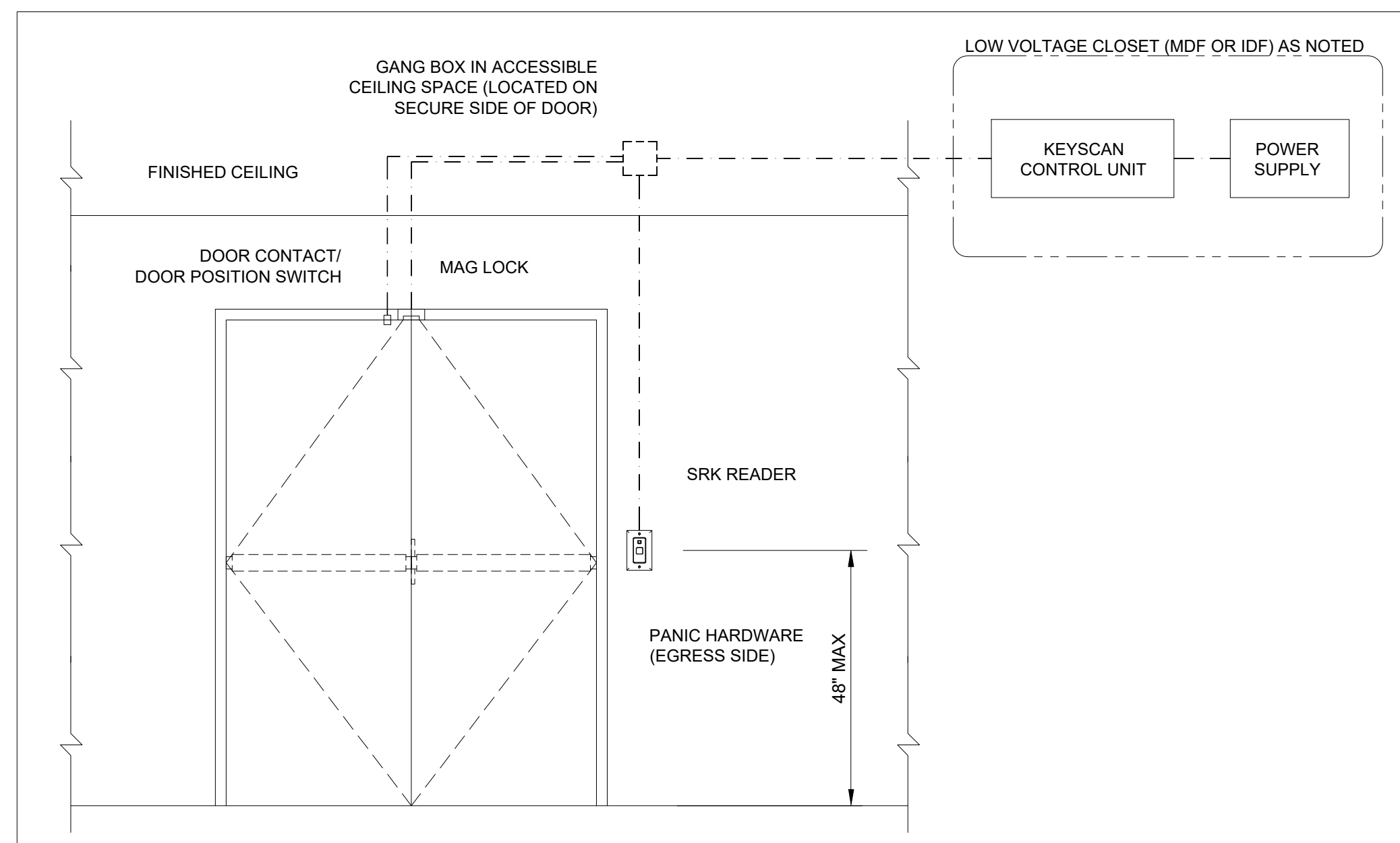
JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL DRAWING NO:

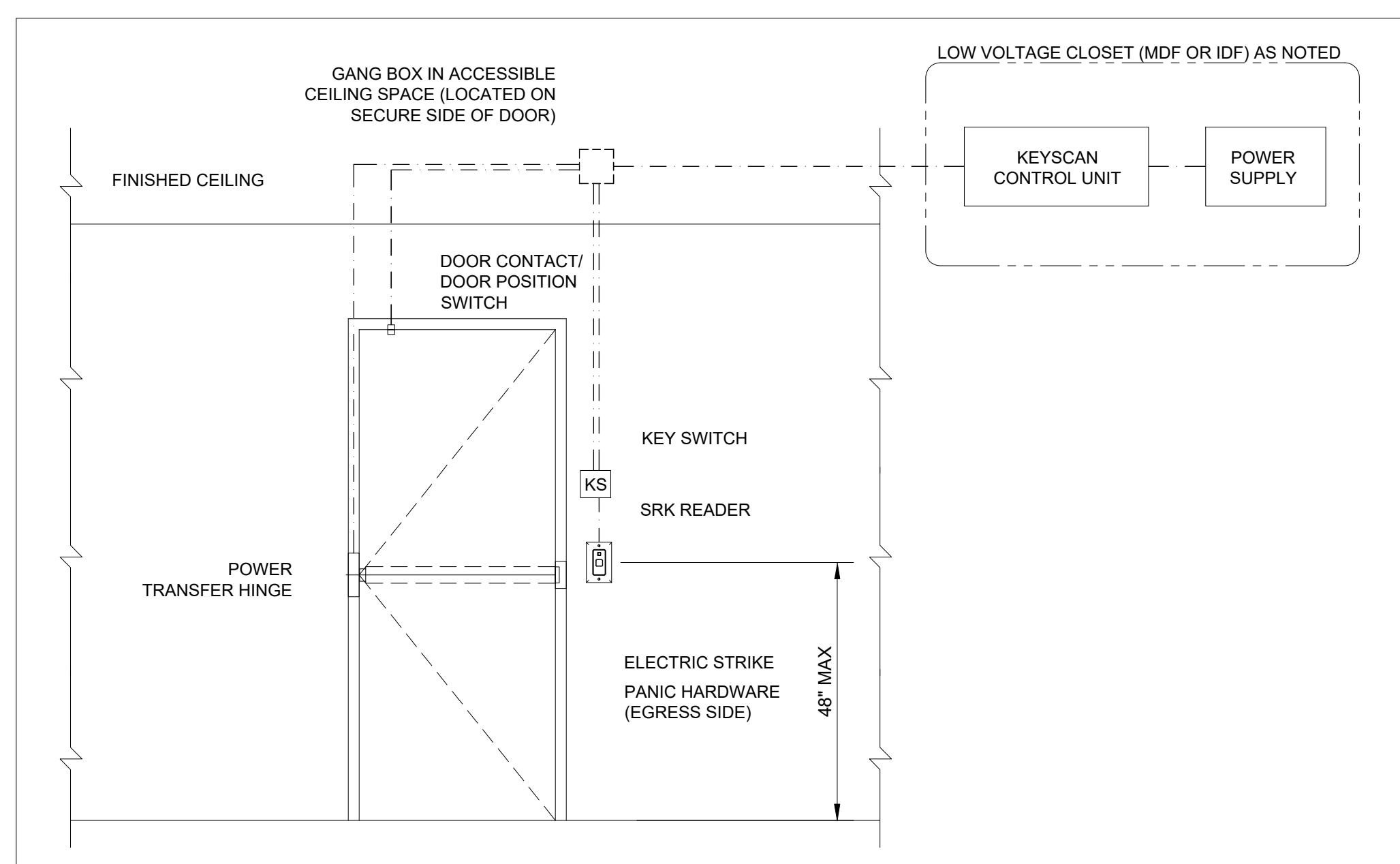
0 **T-204**



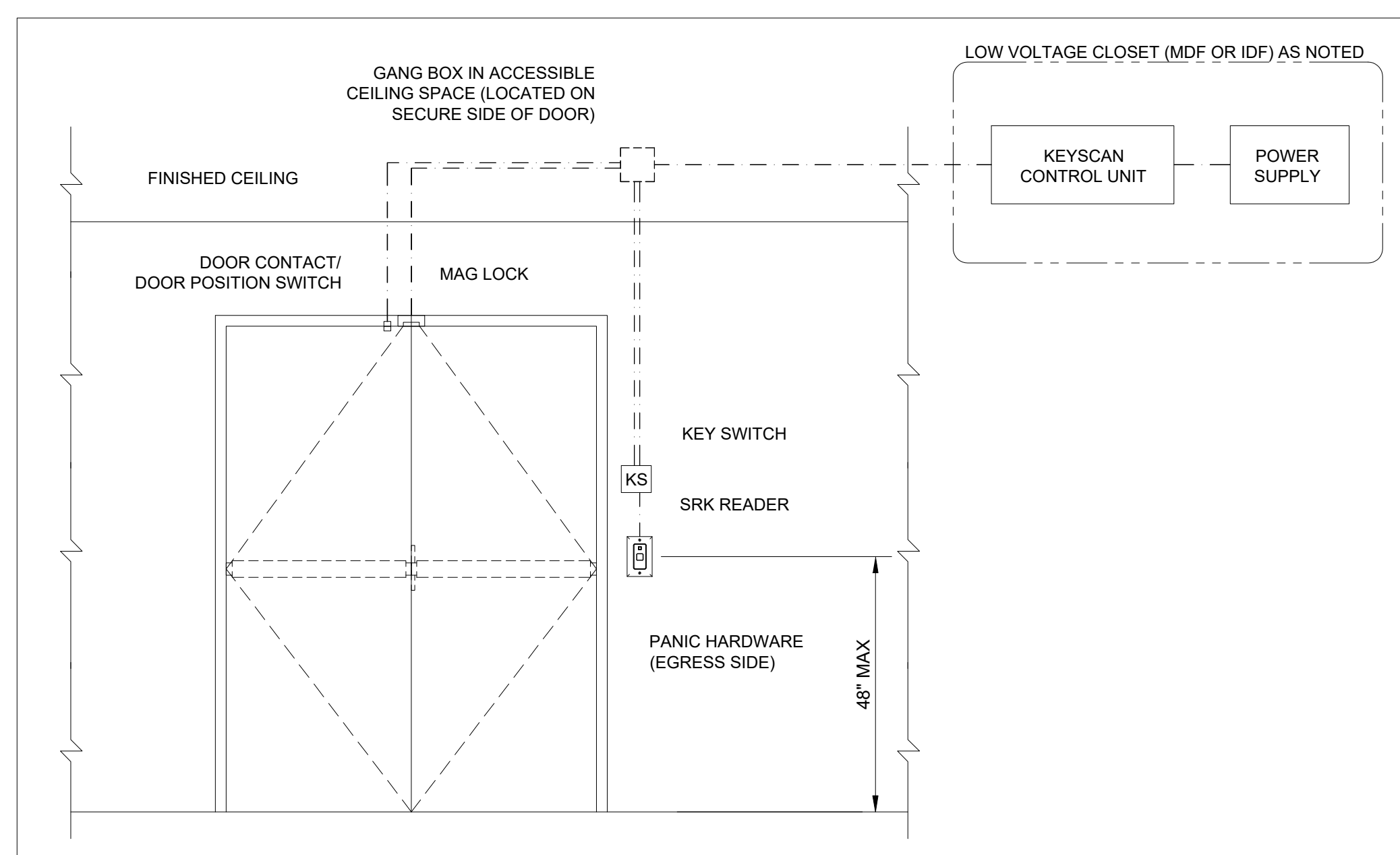
1 TYPICAL ONLINE READER DOOR ELEVATION (ELEC. STRIKE)
 SCALE: NTS



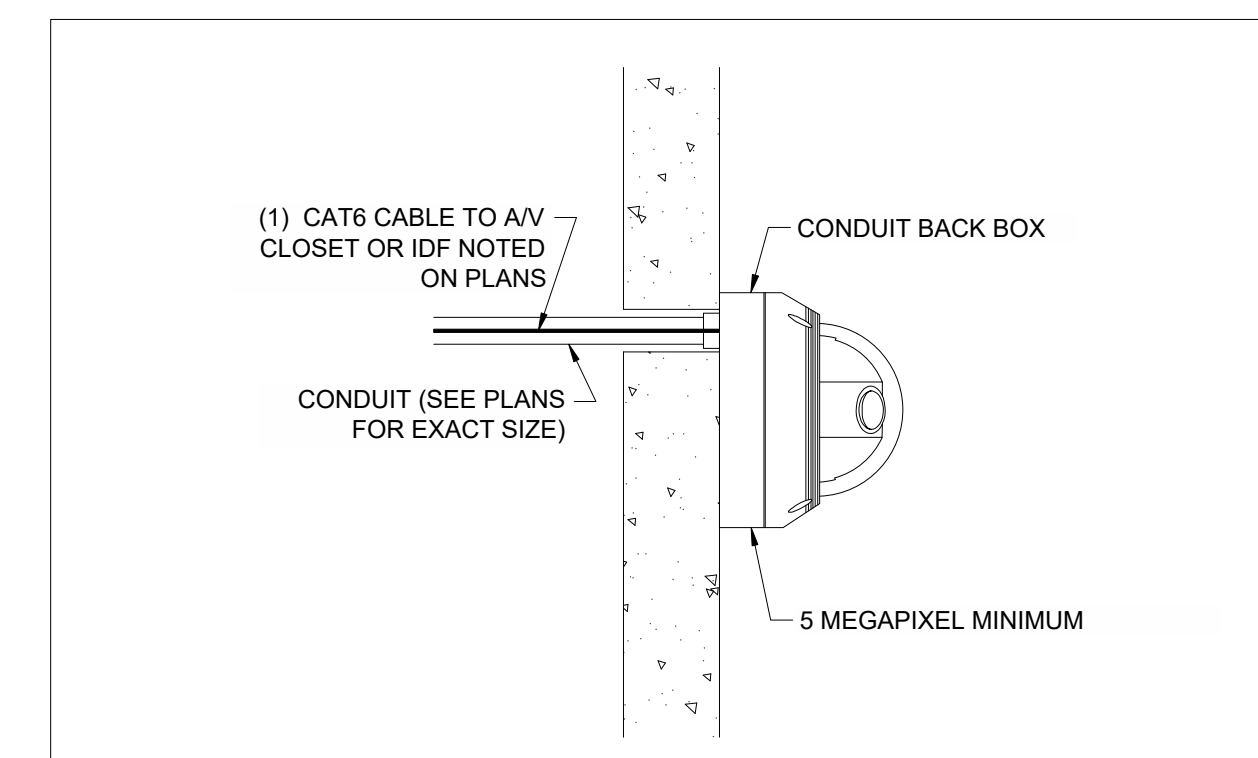
3 TYPICAL ONLINE READER DOOR ELEVATION (MAG LOCK)
 SCALE: NTS



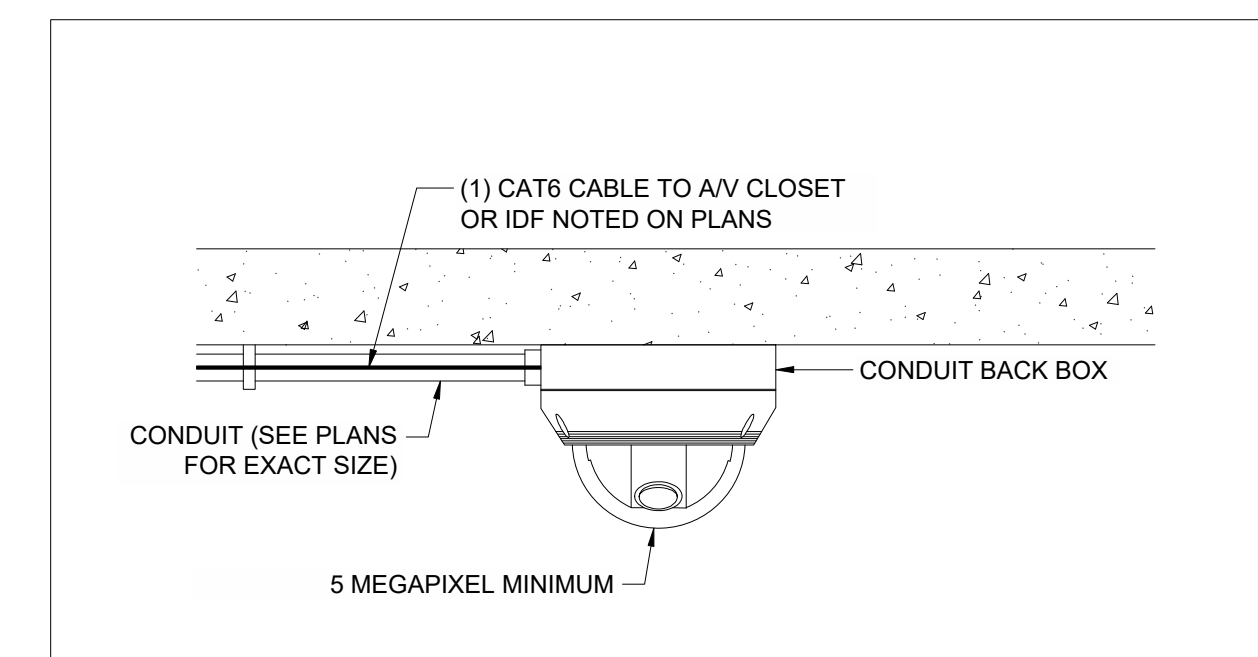
2 TYPICAL ONLINE READER DOOR ELEVATION (W/ KEY SWITCH- ELEC. STRIKE)
 SCALE: NTS



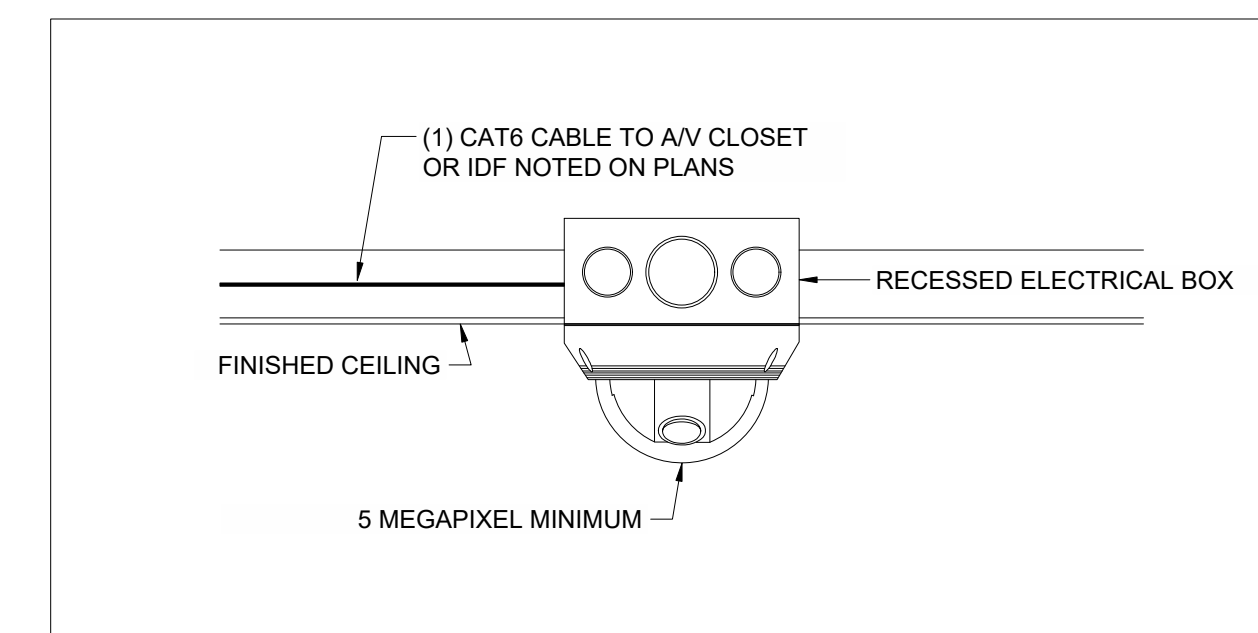
4 TYPICAL ONLINE READER DOOR ELEVATION (W/ KEY SWITCH - MAG LOCK)
 SCALE: NTS



1A WALL MOUNTED CAMERA
 SCALE: NTS



1B CEILING MOUNTED CAMERA
 SCALE: NTS



1C FLUSH MOUNTED CAMERA
 SCALE: NTS

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NetworkedApartment
 FTTA Ready

LOW VOLTAGE
 ACCESS CTRL
 DETAILS

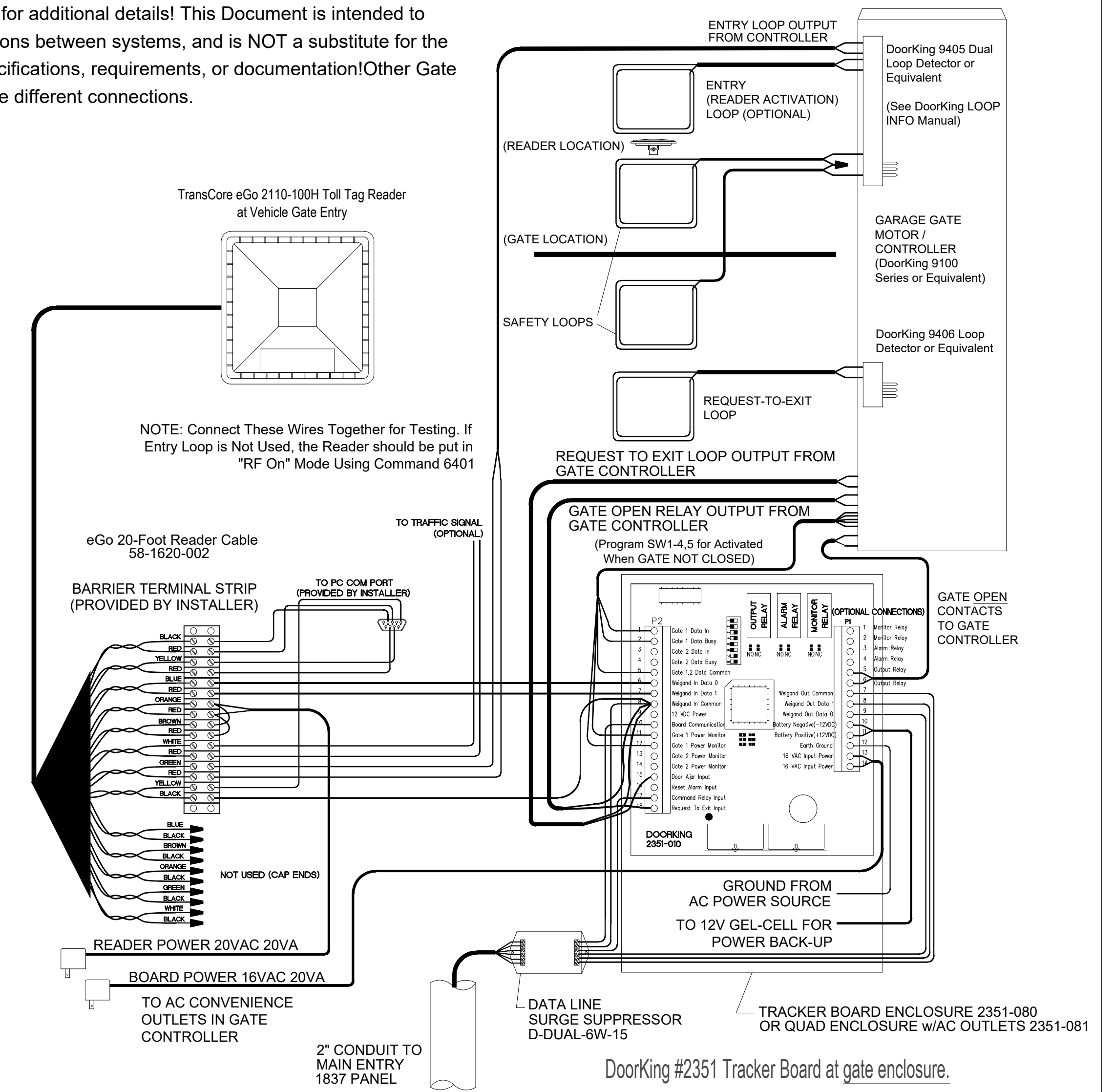
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DATE: 08.19.21
 SCALE: NTS
 DRAWN: A. JONES
 APPR: T. STENDER
 JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

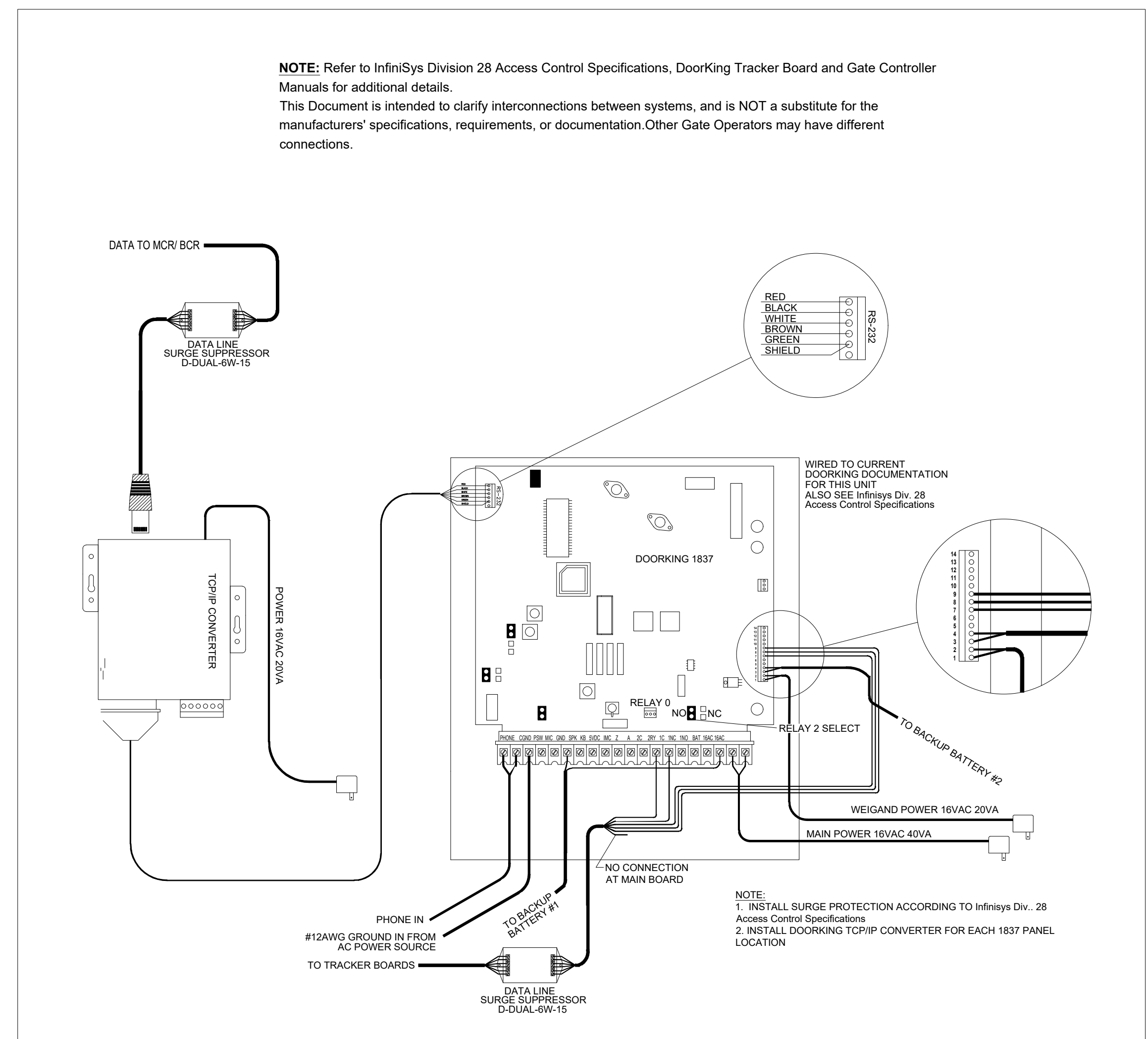
REV. LEVEL
 0 DRAWING NO:
T-205

NOTE: Refer to InfiniSys Division 28 Access Control Specifications, TransCore eGo2110 Installation Manual, DoorKing Tracker Board and Gate Controller Manuals for additional details! This Document is intended to clarify interconnections between systems, and is NOT a substitute for the manufacturers' specifications, requirements, or documentation! Other Gate Operators may have different connections.



1 DOORING GATE ENTRY DETAILS
 SCALE: NTS

NOTE: Refer to InfiniSys Division 28 Access Control Specifications, DoorKing Tracker Board and Gate Controller Manuals for additional details. This Document is intended to clarify interconnections between systems, and is NOT a substitute for the manufacturers' specifications, requirements, or documentation. Other Gate Operators may have different connections.



2 TELEPHONE ENTRY PANEL DETAILS
 SCALE: NTS

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NetworkedApartment
 FTTA Ready

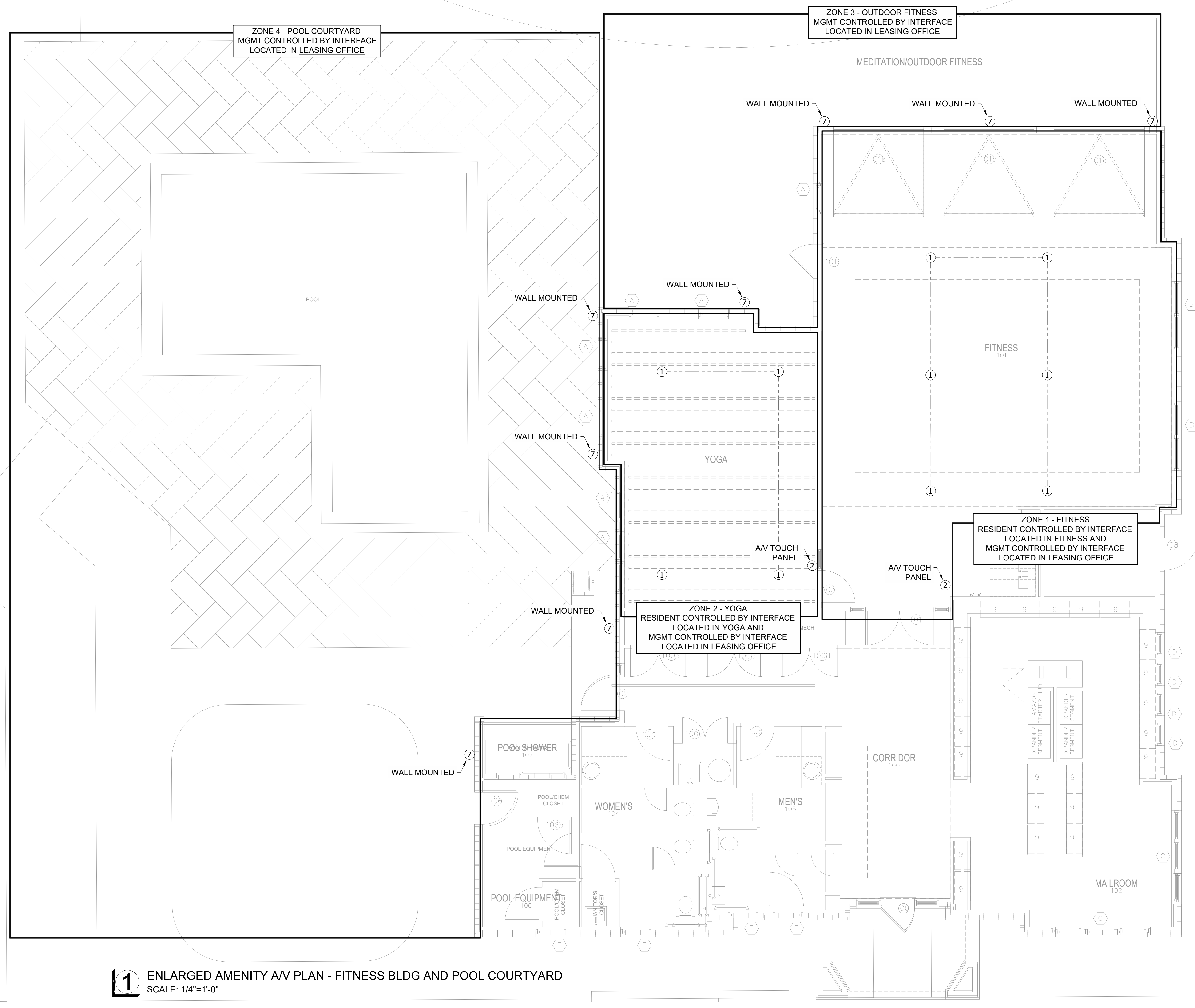
LOW VOLTAGE ENLARGED AMENITIES A/V PLANS

100% CONSTRUCTION DOCUMENTS
 11/15/2021

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DATE: 08.19.21
 SCALE: 1/4"=1'-0"
 DRAWN: A. JONES
 APPR: T. STENDER
 JOB: ZDC - CAPE CORAL PHASE 2 SURFSIDE APTS. #002221

REV. LEVEL: 0
 DRAWING NO: **T-300**



A/V LEGEND	
1	70W IN CEILING SPEAKER (1) 2X16 TO A/V RACK IN MDF
2	RESOUND HDX-05 MULTITOUCH KEYPAD (1) DATA CABLE TO A/V RACK IN MDF ZONE CONTROLLER
3	RESOUND XTS TOUCHSCREEN (1) DATA CABLE TO A/V RACK IN MDF HAPTIC CONTROLLER
4	A/V RACK LOCATION
5	A/V FLAT SCREEN LOCATION
6	EXTRON IN-WALL CONTROLLER (M.C. 62 RSD OR EQUIV.) (1) 2X16 TO A/V RACK IN MDF
7	70W SURFACE MOUNTED OUTDOOR SPEAKER (1) 2X16 TO A/V RACK IN MDF
8	LEAFSAT TWO-WAY OUTDOOR LANDSCAPE SPEAKER (1) 2X16 TO A/V RACK IN MDF

1 ENLARGED AMENITY A/V PLAN - FITNESS BLDG AND POOL COURTYARD
 SCALE: 1/4"=1'-0"

REVISIONS	
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NetworkedApartment
 FTTA Ready

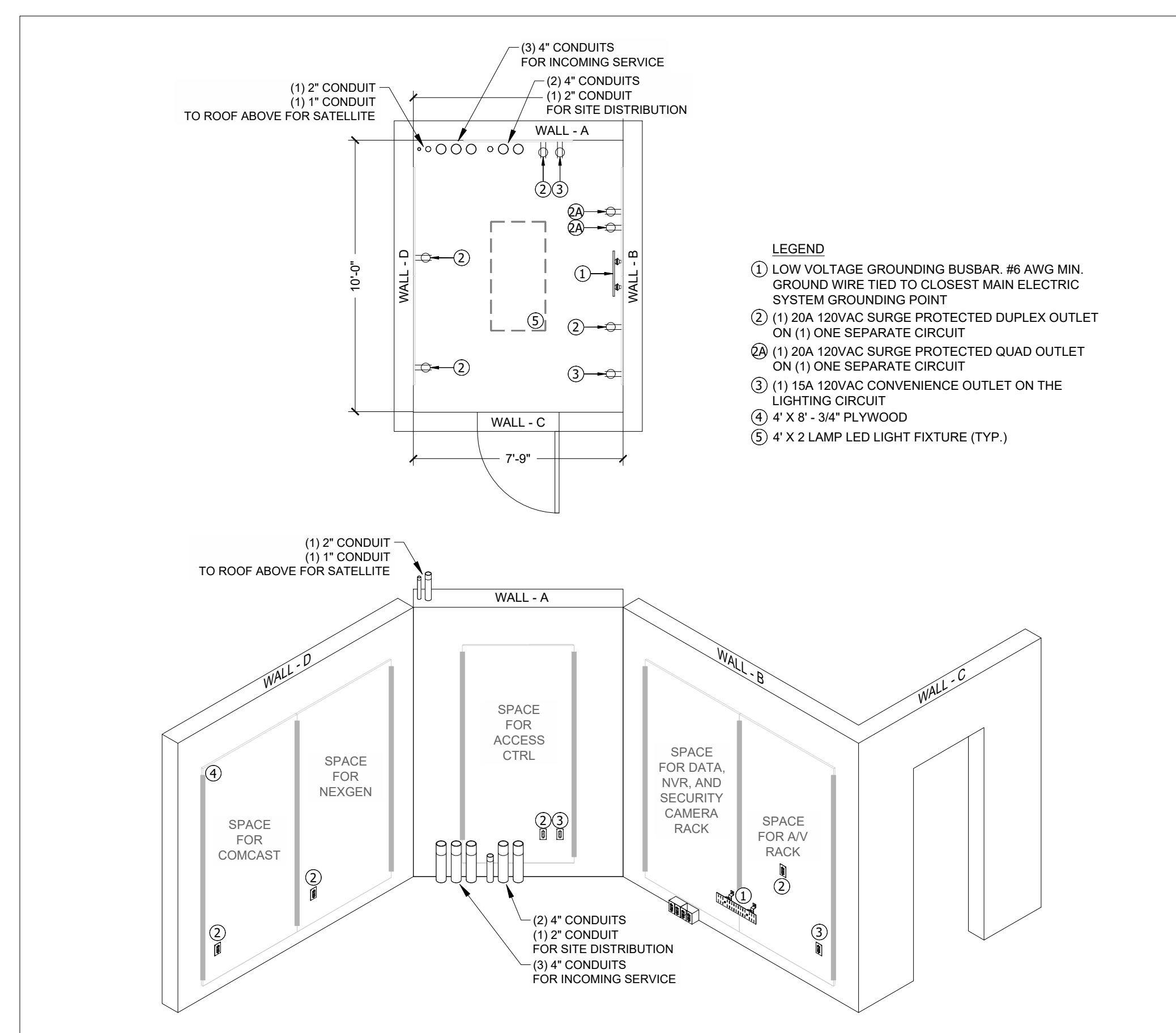
LOW VOLTAGE COMMUNICATIONS ROOMS LAYOUTS

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 11/15/2021

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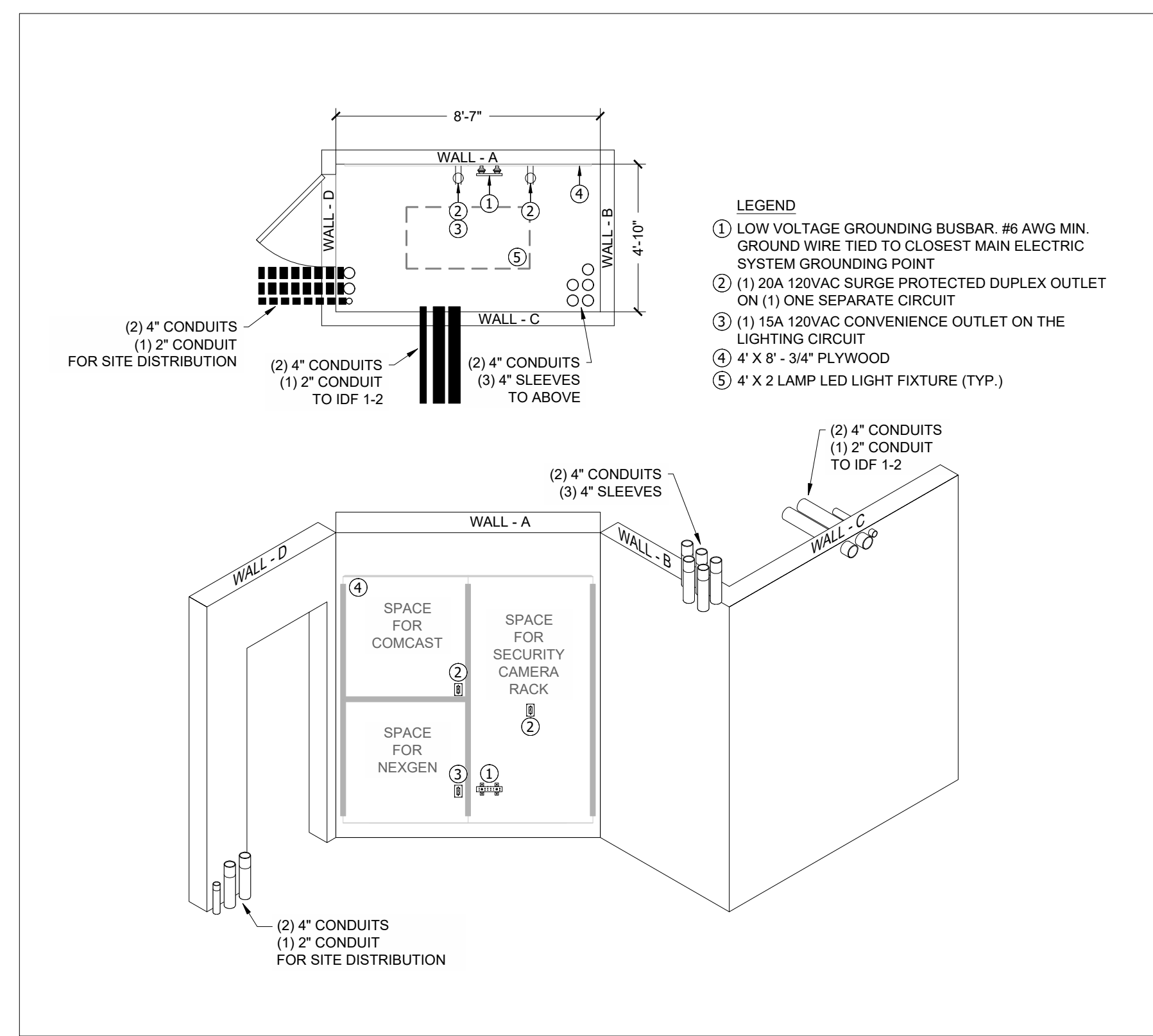
DATE: 08.19.21
 SCALE: 1/4"=1'-0"
 DRAWN: A. JONES
 APPR: T. STENDER
 JOB: ZDC - CAPE CORAL PHASE 2 SURFSIDE APTS. #002221

REV. LEVEL DRAWING NO:
 0 **T-400**



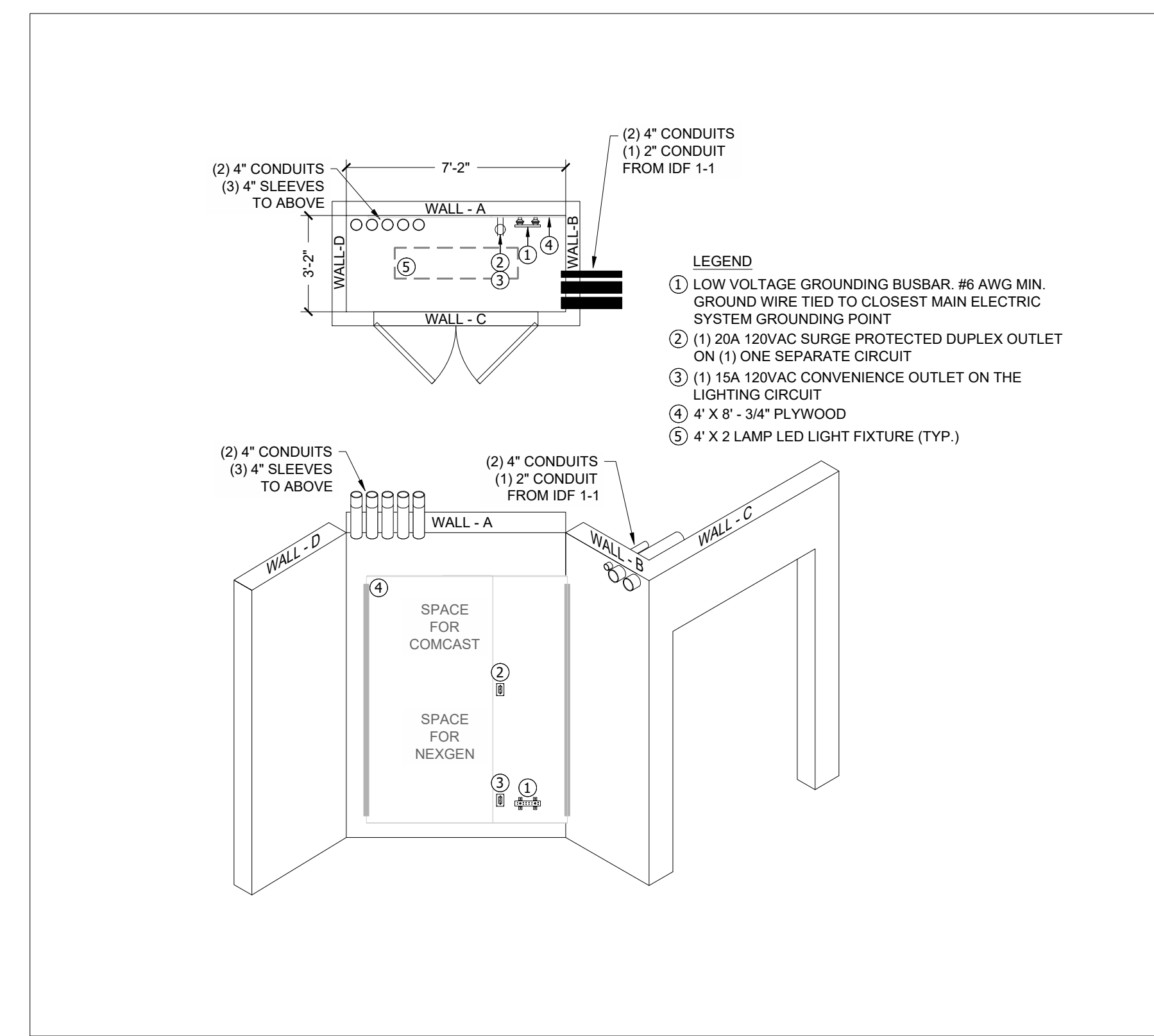
1 MAIN COMMUNICATIONS ROOM (MDF) - ROUGH-IN
 SCALE: 1/4" = 1'-0"

NOTE:
 MDF WILL REQUIRE INDEPENDENT HVAC UNIT.
 APPROX. HEATLOAD OF 18,000 TO 22,000 BTU.



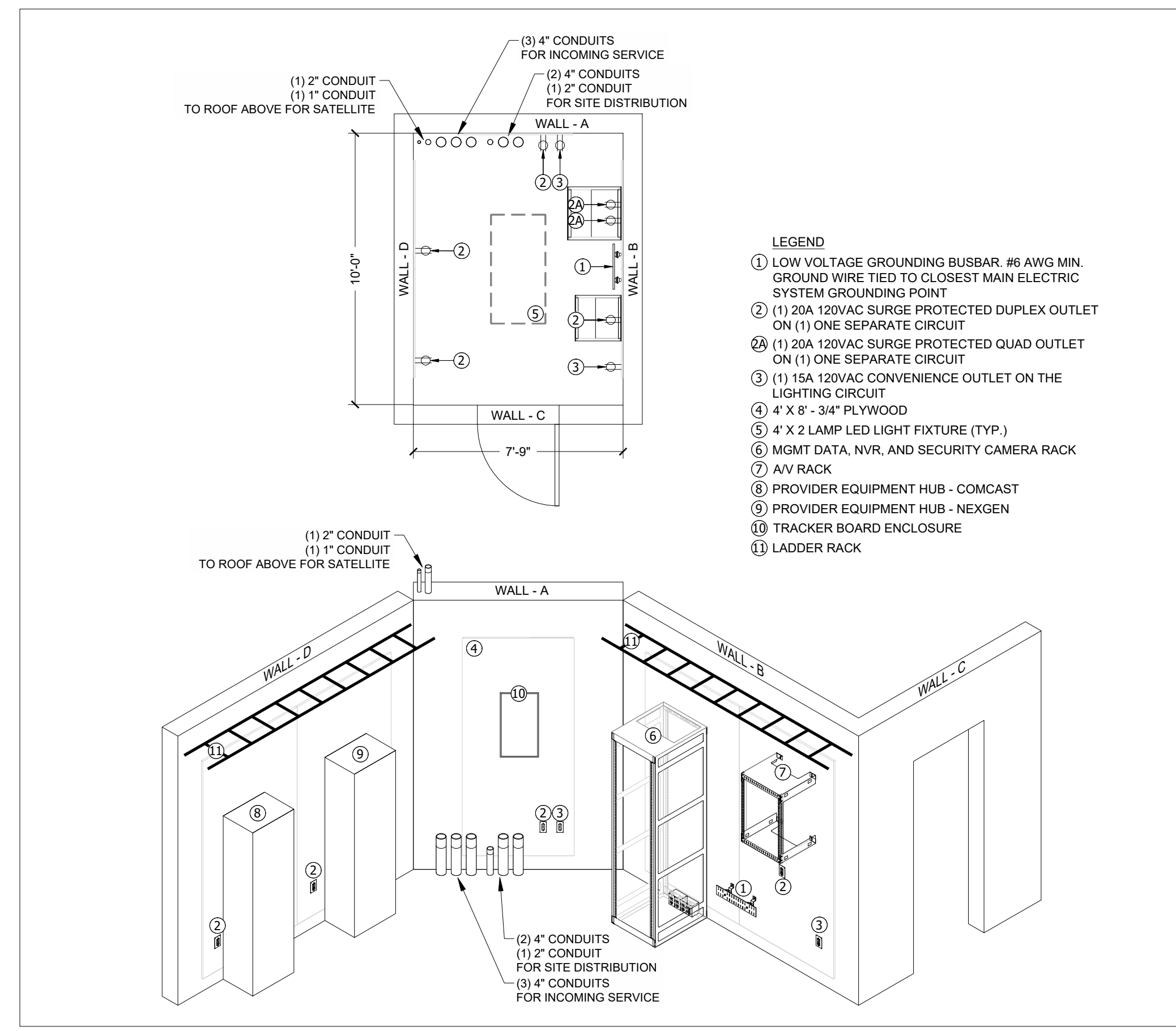
3 BLDG TYPE 1 IDF 1 (TYP) - ROUGH-IN
 SCALE: 1/4" = 1'-0"

NOTE:
 IDF 1 WILL REQUIRE INDEPENDENT HVAC UNIT.
 APPROX. HEATLOAD OF 8,000 TO 12,000 BTU.

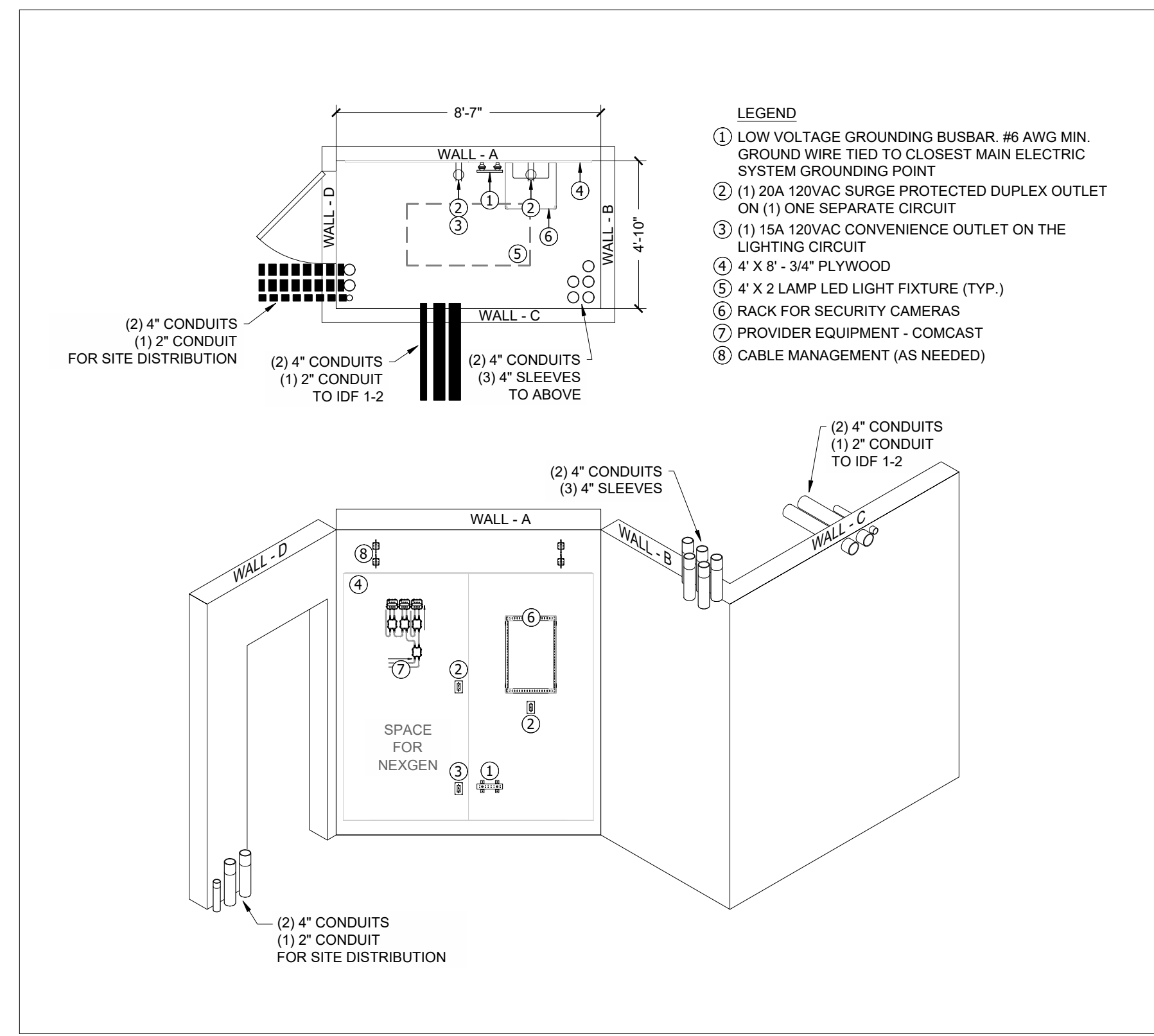


5 BLDG TYPE 1 IDF 2 (TYP) - ROUGH-IN
 SCALE: 1/4" = 1'-0"

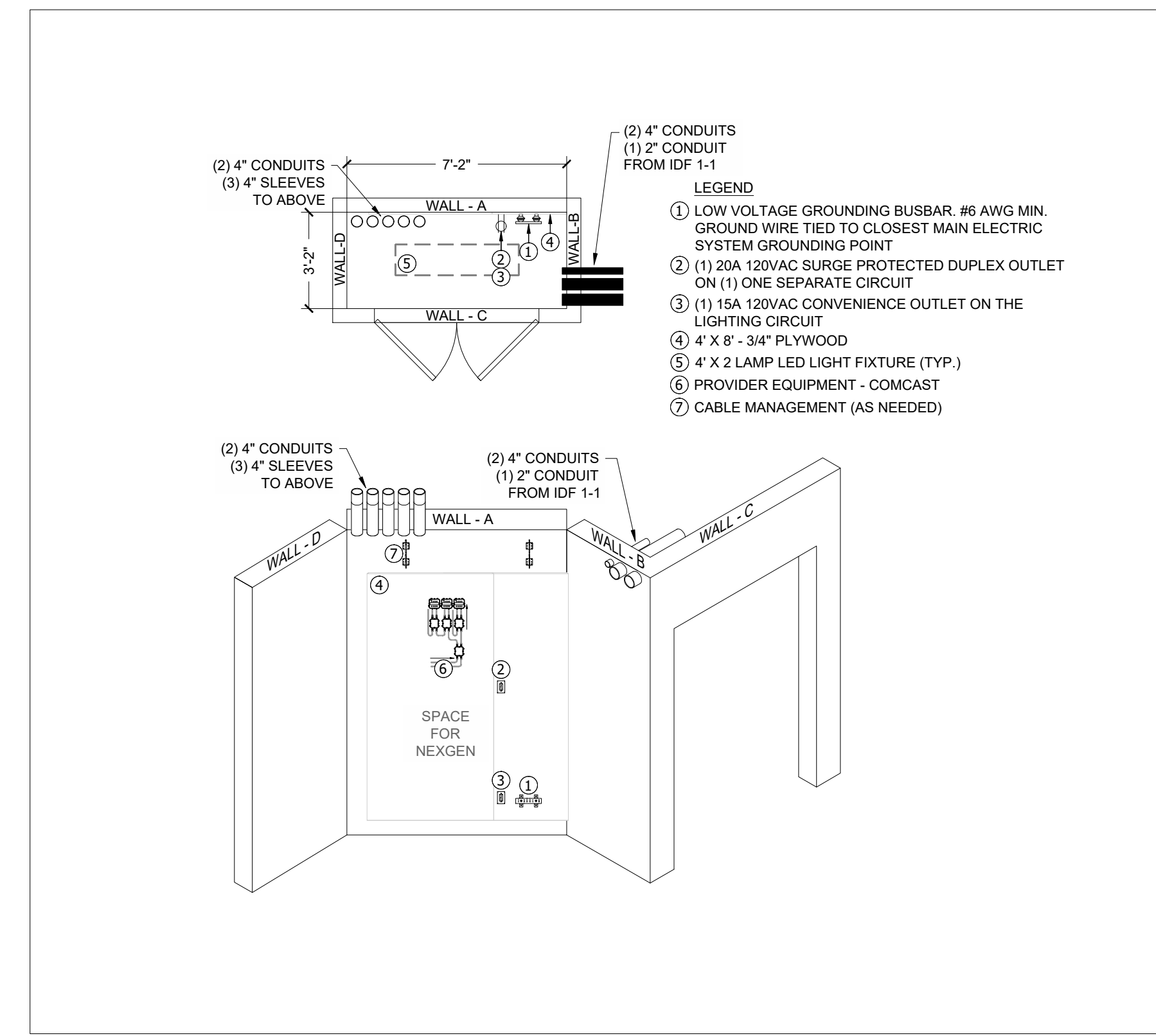
NOTE:
 IDF 2 WILL REQUIRE INDEPENDENT HVAC UNIT.
 APPROX. HEATLOAD OF 8,000 TO 12,000 BTU.



2 MAIN COMMUNICATIONS ROOM (MDF) - TRIM OUT
 SCALE: 1/4" = 1'-0"



4 BLDG TYPE 1 IDF 1 (TYP) - TRIM OUT
 SCALE: 1/4" = 1'-0"



6 BLDG TYPE 1 IDF 2 (TYP) - TRIM OUT
 SCALE: 1/4" = 1'-0"

REVISIONS

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NetworkedApartment
 FTTA Ready

LOW VOLTAGE COMMUNICATIONS ROOMS LAYOUTS

100% CONSTRUCTION DOCUMENTS
 11/15/2021

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DATE: 08.19.21

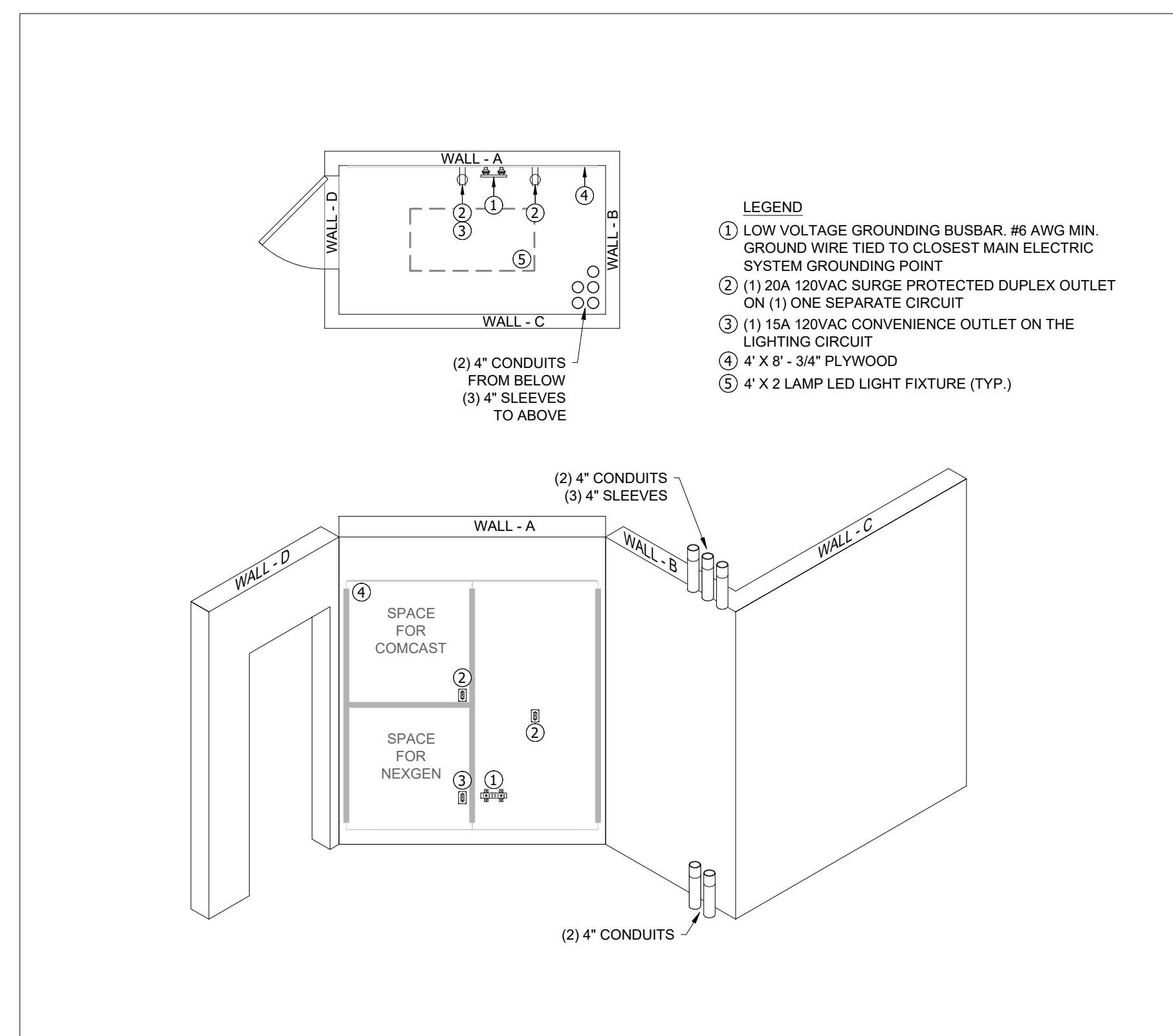
SCALE: 1/4"=1'-0"

DRAWN: A. JONES

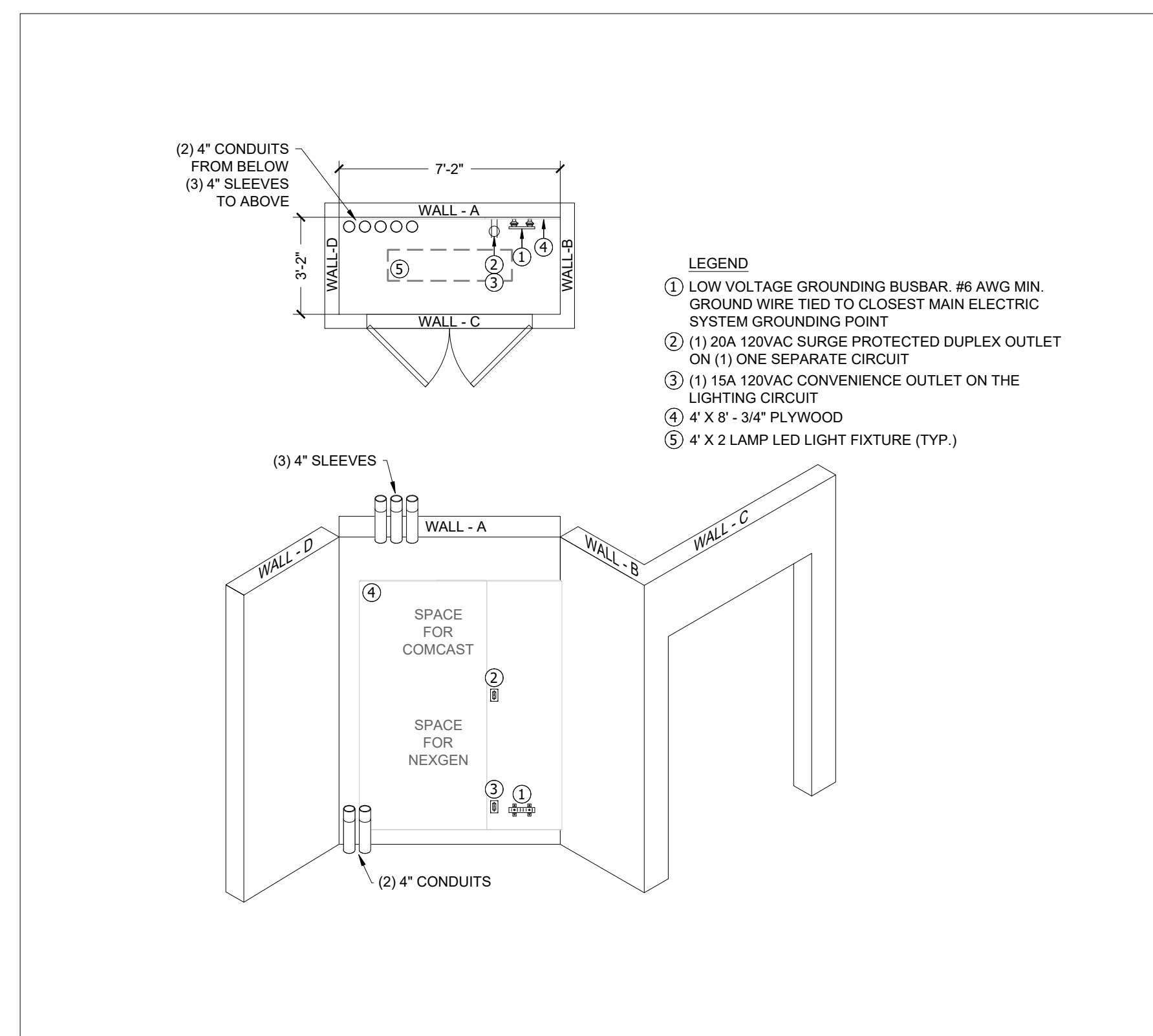
APPR: T. STENDER

JOB: ZDC - CAPE CORAL PHASE 2
 SURFSIDE APTS. #002221

REV. LEVEL	DRAWING NO:
0	T-401



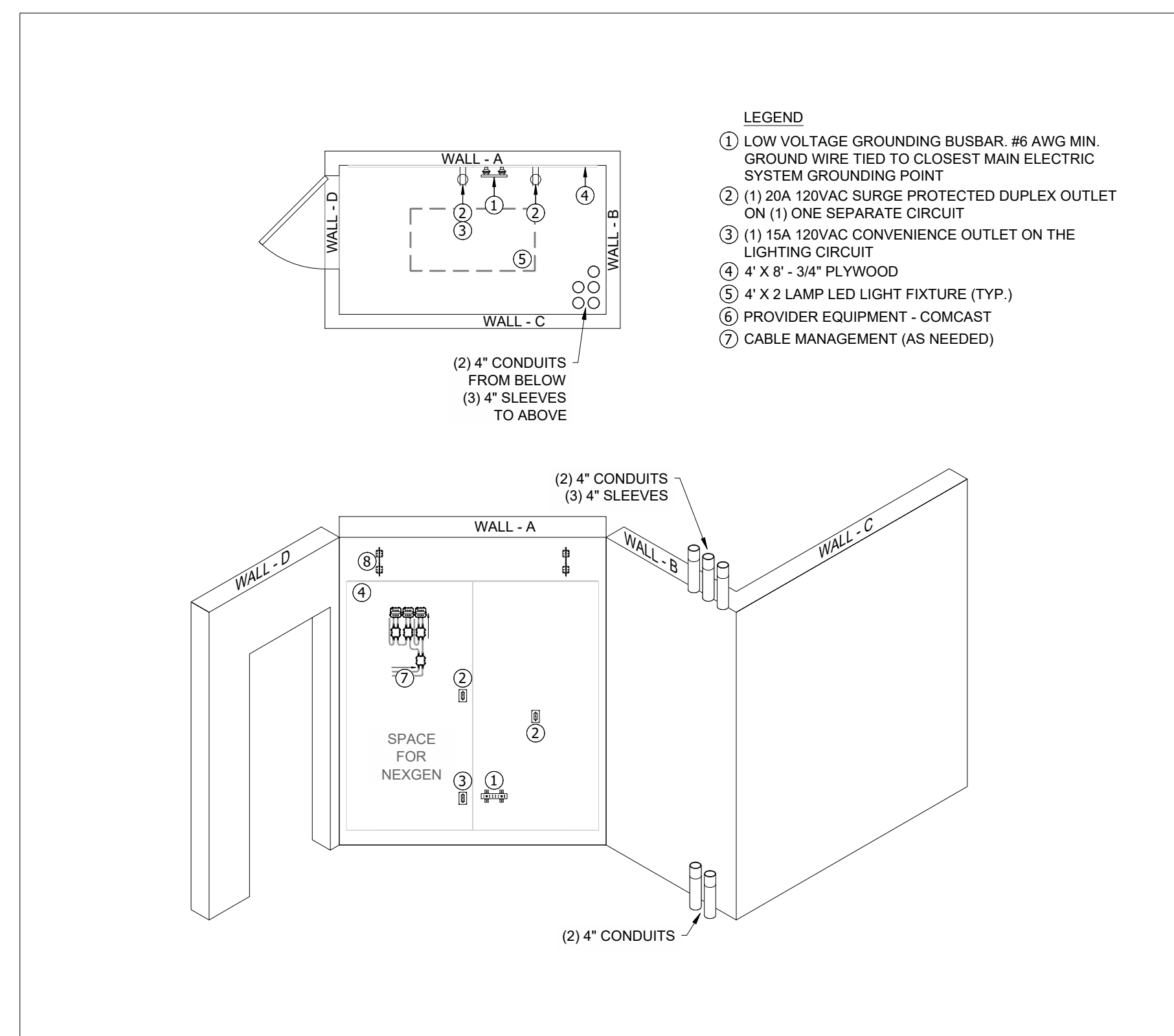
1 BLDG TYPE 1 IDF 3 (TYP) - ROUGH-IN
 SCALE: 1/4" = 1'-0"



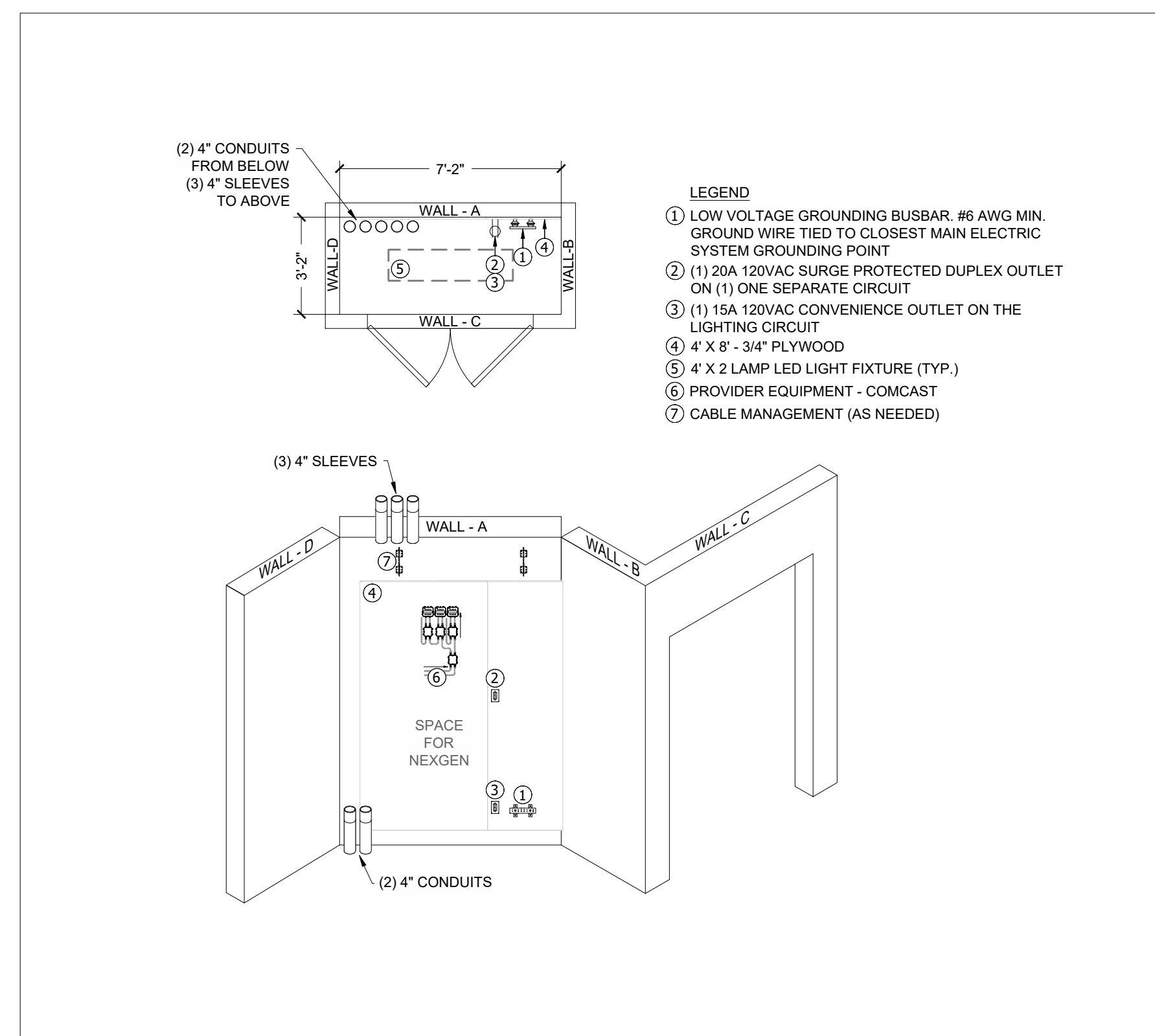
3 BLDG TYPE 1 IDF 4 (TYP) - ROUGH-IN
 SCALE: 1/4" = 1'-0"

NOTE:
 IDF 1 WILL REQUIRE INDEPENDENT HVAC UNIT.
 APPROX. HEATLOAD OF 8,000 TO 12,000 BTU.

NOTE:
 IDF 2 WILL REQUIRE INDEPENDENT HVAC UNIT.
 APPROX. HEATLOAD OF 8,000 TO 12,000 BTU.



2 BLDG TYPE 1 IDF 3 (TYP) - TRIM OUT
 SCALE: 1/4" = 1'-0"



4 BLDG TYPE 1 IDF 4 (TYP) - TRIM OUT
 SCALE: 1/4" = 1'-0"