

GATEWAY COMMUNITY ACTION PARTNERSHIP HEAD START EARLY EDUCATION CENTER

LOCATION OF PROJECT



1433 Bacharach Boulevard
Atlantic City, New Jersey

ITI Project Number:
3848

Date:
28 May 2015
BID SET



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PRELIMINARY ELECTRICAL REQUIREMENTS - STRATEGIC TECHNOLOGY COMPONENTS

1. IT (MDF) ROOM

- 1.1. ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1), 70 AMP, 208 V 60 Hz DEDICATED CIRCUIT AT MDF LOCATION. CIRCUIT SHALL BE INTERCONNECTED TO GENERATOR ON LIFE SAFETY BRANCH.
- 1.2. STRUCTURED CABLING CONTRACTOR SHALL INSTALL NEW MDF RACK IN NEW COMPUTER SERVER ROOM.
- 1.3. REFER TO MECHANICAL DRAWINGS FOR COOLING REQUIREMENTS AND EQUIPMENT.

2. TYPICAL IDF CLOSET

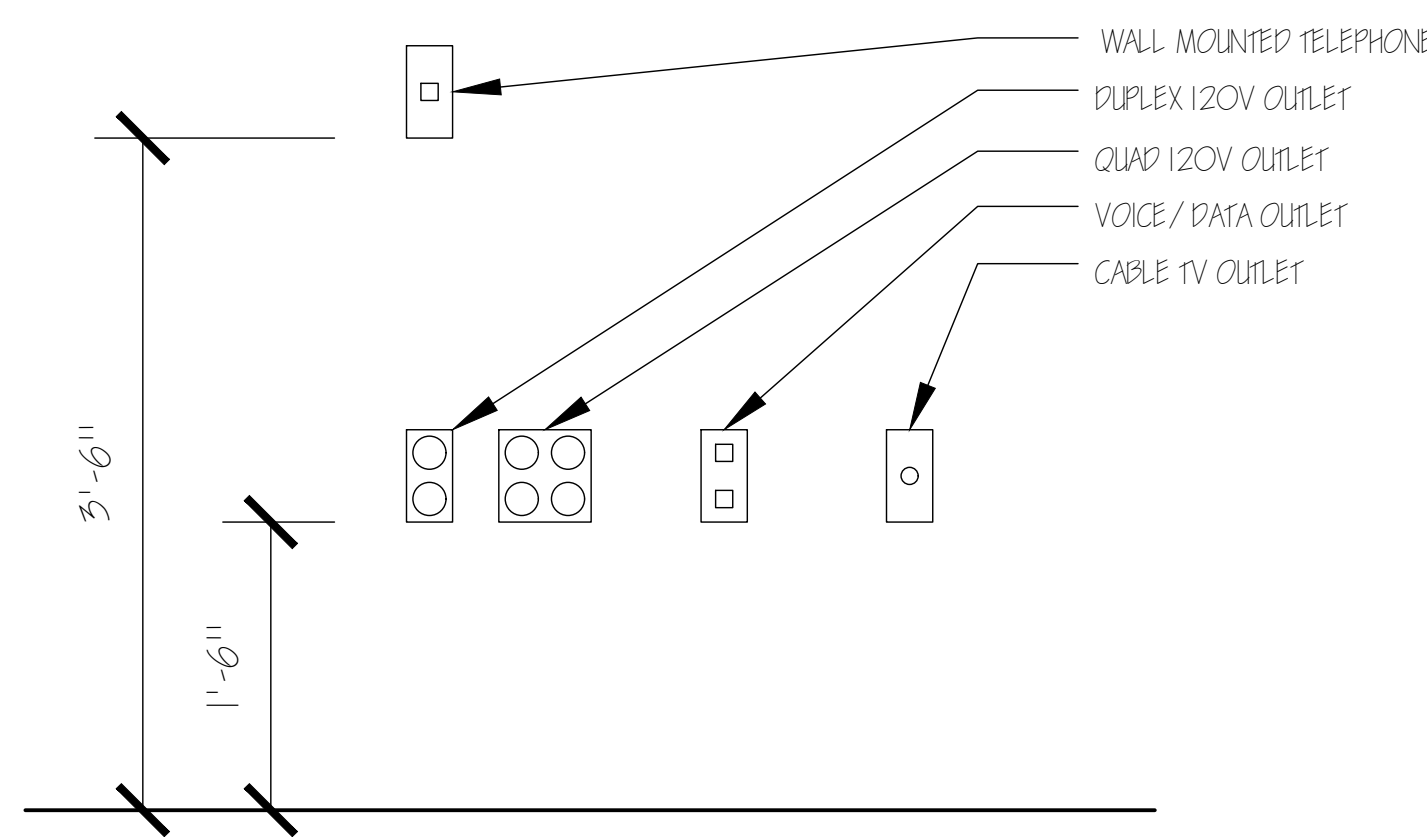
- 2.1. ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1), 30 AMP, 120 V 60 Hz DEDICATED CIRCUIT AT TECHNOLOGY RACK LOCATION. CIRCUIT SHALL BE INTERCONNECTED TO GENERATOR ON LIFE SAFETY BRANCH.
- 2.2. ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1), 20 AMP 120 V 60 Hz CIRCUIT FOR INTRUSION DETECTION SYSTEM PANEL. ELECTRICAL CONTRACTOR SHALL HARDWIRE PANEL AND INTERCONNECT TO GENERATOR ON LIFE SAFETY BRANCH.
- 2.3. STRUCTURED CABLING CONTRACTOR SHALL INSTALL IDF RACK IN EACH IDF CLOSET.
- 2.4. REFER TO MECHANICAL DRAWINGS FOR COOLING REQUIREMENTS AND EQUIPMENT. TYPICAL IDF CLOSET REQUIRES ONE (1) TON OF COOLING.

3. TYPICAL WORK AREA VOICE / DATA PORT

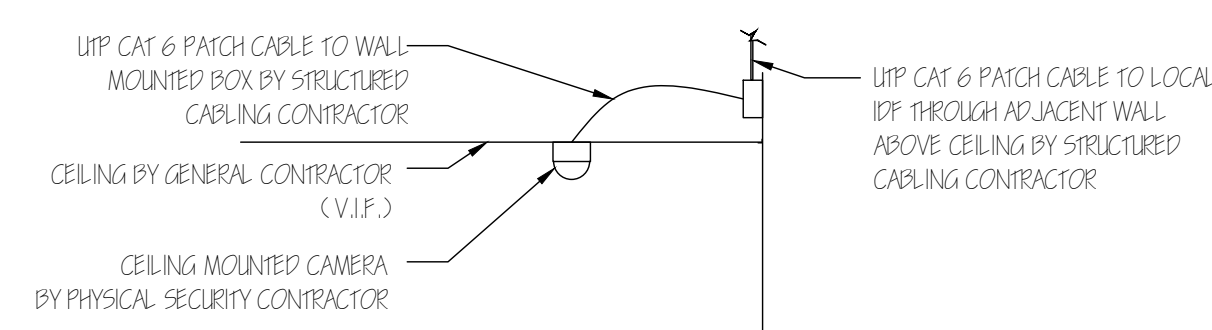
- 3.1. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE AND INSTALL OUTLET FOR WORK AREA VOICE / DATA PORT IDENTIFIED WITH NOTED QUANTITY OF PLENUM CATEGORY 6 UTP CABLES. OUTLET SHALL BE MOUNTED AT 18" AFF. TERMINATE CABLE ON CATEGORY 6 PATCH PANEL ON SAME FLOOR IDF CLOSET.

4. WALL MOUNTED TELEPHONES

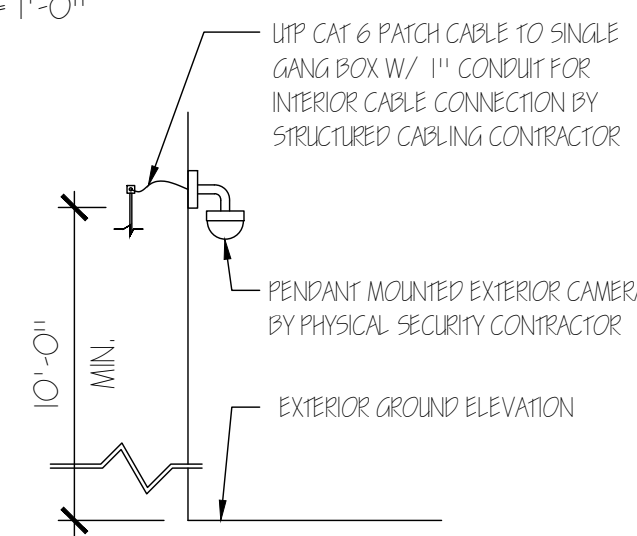
- 4.1. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE AND INSTALL OUTLET FOR EACH WALL MOUNTED TELEPHONE WITH SINGLE PLENUM RATED CATEGORY 6 UTP CABLE WITH WALL PHONE PLATE AT 42" A.F.F.



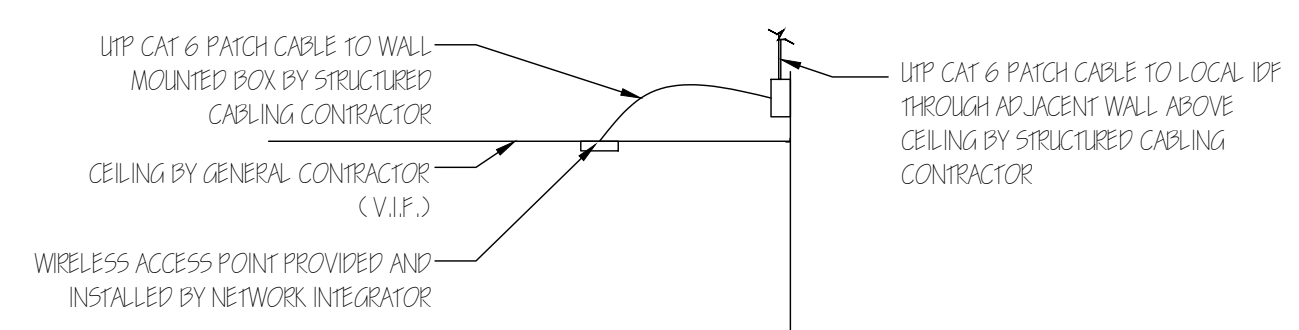
1 TYPICAL MOUNTING HEIGHTS
SCALE: 1" = 1'-0"



2 TYPICAL MOUNTING DETAIL INTERIOR CAMERA
SCALE: 1/2" = 1'-0"



3 TYPICAL MOUNTING DETAIL EXTERIOR CAMERA
SCALE: 1/2" = 1'-0"



4 TYPICAL MOUNTING DETAIL INTERIOR WIRELESS ACCESS POINT
SCALE: 1/2" = 1'-0"

ABBREVIATIONS		EA EACH		P&I PROVIDE AND INSTALL	
ACT	ACOUSTIC CEILING TILE	EC	ELECTRICAL CONTRACTOR	PLUMB	PLUMBING
APF	ABOVE FINISH FLOOR	EL	ELEVATION	PSC	PHYSICAL SECURITY CONTRACTOR
AVC	AUDIO VISUAL CONTRACTOR	ELEV	ELEVATOR	RCP	REFLECTED CEILING PLAN
BYND	BEYOND	EXT	EXTERIOR	REQD	REQUIRED
BOT	BOTTOM	FLR	FLOOR	RM	ROOM
CLG	CEILING	FO	FACE OF	RMC	RESIDENT MONITORING CONTRACTOR
CLR	CLEAR	GC	GENERAL CONTRACTOR	SCC	STRUCTURED CABLING CONTRACTOR
CMU	CONCRETE MASONRY UNIT	HR	HOUR	SOB	SINGLE GANG BOX
COL	COLUMN	INT	INTERIOR	SIM	SIMILAR
CONC	CONCRETE	LV	LOW-VOLTAGE	STRUCT	STRUCTURE / STRUCTURAL
CONT	CONTINUOUS	MAX	MAXIMUM	TELE	TELEPHONE
CPT	CARPET	MC	MECHANICAL CONTRACTOR	TLT	TOILET
CT	CERAMIC TILE	MECH	MECHANICAL	TO	TOP OF
DBL	DOUBLE	MIN	MINIMUM	TYP	TYPICAL
DEMO	DEMOLISH/ DEMOLITION	MTL	METAL	UNO	UNLESS OTHERWISE NOTED
DIA	DIAMETER	NIC	NOT IN CONTRACT	VIF	VERIFY IN FIELD
DIMS	DIMENSIONS	NO	NUMBER	W/	WITH
DN	DOWN	OC	ON CENTER	WAP	WIRELESS ACCESS POINT
DR	DOOR	OPE	OWNER FURNISHED EQUIPMENT	WD	WOOD
DWG	DRAWING	OH	OPPOSITE HAND		

5. FLOOR BOXES

- 5.1. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL FLOOR BOXES INCLUDING ALL FLANGES AND COVERS.
- 5.2. FLOOR BOX COVERS ARE TO BE COORDINATED WITH ARCHITECT'S FINISH SCHEDULE.
- 5.3. CONDUITS SHALL BE TERMINATED AT ACCESSIBLE CEILING ABOVE WITH PULL STRING FOR LOW VOLTAGE CABLING.

6. PHYSICAL ACCESS CONTROL

- 6.1. ALL DEVICES SHALL MEET OR EXCEED NFPA 101 LIFE SAFETY CODE FOR MEANS OF EGRESS AND ELECTRONIC ACCESS CONTROL.
- 6.2. ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1), 20 AMP 120 V 60 Hz CIRCUIT FOR ACCESS CONTROL SYSTEM PANEL. ELECTRICAL CONTRACTOR SHALL HARDWIRE ACCESS CONTROL PANEL AND INTERCONNECT TO GENERATOR ON LIFE SAFETY BRANCH.
- 6.3. ELECTRICAL CONTRACTOR SHALL PROVIDE TYPE C DRY CONTACT FROM THE FIRE PROTECTIVE SIGNALING SYSTEM, BUILDING AUTOMATIC SPRINKLER SYSTEM AND/ OR FIRE DETECTION SYSTEM TO ACCESS CONTROL PANEL IN I.T. (MDF) ROOM, TO AUTOMATICALLY DISENGAGE ALL ACCESS CONTROLLED EGRESS DOORS IN THE EVENT OF AN ALARM CONDITION. ELECTRONIC LOCKING HARDWARE SHALL NOT RETURN TO PREVIOUS STATE UNTIL THE FIRE-PROTECTIVE SIGNALING SYSTEM HAS BEEN MANUALLY RESET.
- 6.4. ANY AND ALL MAGNETIC LOCKING DEVICE POWER SUPPLIES SHALL BE INTERCONNECTED TO FIRE PANEL SYSTEM VIA A TYPE C, DRY CONTACT TO AUTOMATICALLY DROP POWER IN THE EVENT OF A FIRE SIGNALING SYSTEM ACTIVATION.
- 6.5. ELECTRONIC DOOR HARDWARE SHALL BE PROVIDED BY GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL COORDINATE DOOR HARDWARE WITH PHYSICAL SECURITY CONTRACTOR.
- 6.6. GENERAL CONTRACTOR SHALL PROVIDE PATHWAY FOR ACCESS CONTROL CABLES TO TRAVEL FROM DOOR TO CEILING ABOVE ON ALL ACCESS CONTROLLED DOORS. ALL PERIMETER DOORS ARE ACCESS CONTROLLED.
- 6.7. GENERAL CONTRACTOR SHALL COORDINATE WITH THE PHYSICAL SECURITY CONTRACTOR AND PROVIDE AND INSTALL (DURING ROUGHING PHASE) ALL REQUIRED BOXES FOR CARD READERS, INTERCOMS, ALARMS, DOOR CONTACTS AND OTHER MATERIALS.
- 6.8. REVIEW ARCHITECT'S DOOR HARDWARE SCHEDULE FOR MATERIALS AND COORDINATION REQUIREMENTS AS WELL AS ELECTRONIC LOCKING DEVICES REQUIREMENTS.

7. EXTERIOR WALL-MOUNTED VIDEO SURVEILLANCE CAMERAS

- 7.1. ALL EXTERIOR VIDEO SURVEILLANCE CAMERAS SHALL BE INSTALLED BY THE PHYSICAL SECURITY CONTRACTOR.
- 7.2. STRUCTURED CABLING CONTRACTOR TO PROVIDE CAT6 UTP CABLING FOR ALL EXTERIOR CAMERAS.
- 7.3. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 3/4" CONDUIT FOR ALL EXTERIOR CAMERAS AND TERMINATE TO ACCESSIBLE CEILING ABOVE. ELECTRICAL CONTRACTOR TO PROVIDE PULL STRING IN ALL CONDUITS.

8. INTERIOR CEILING-MOUNTED VIDEO SURVEILLANCE CAMERAS

- 8.1. ALL INTERIOR VIDEO SURVEILLANCE CAMERAS SHALL BE CEILING OR WALL MOUNTED AND INSTALLED BY THE PHYSICAL SECURITY CONTRACTOR.
- 8.2. STRUCTURED CABLING CONTRACTOR TO PROVIDE CAT6 UTP CABLING FOR ALL INTERIOR CAMERAS.

DOOR OPERATION NOTES (ALL EXTERIOR DOORS)

- 1. ON DOORS WITH MAGNETIC LOCKS, DOORS ARE NORMALLY LOCKED ON BOTH SIDES OF THE DOOR. ON DOORS WITH ELECTRONIC STRIKES, DOOR IS LOCKED FROM EXTERIOR SIDE OF DOOR AND FREE EGRESS IS PERMITTED ON THE INTERIOR SIDE OF OF THE DOOR. REQUEST TO EXIT DEVICES SHALL PROVIDE DOOR APPROACH INPUT WITH SECONDARY PUSH BUTTON.
- 2. DOOR IS UNLOCKED FROM THE OUTSIDE OF DOOR FROM VALID CREDENTIALS (CARD SWIPE).
- 3. DOOR IS UNLOCKED FROM INSIDE OF DOOR WHEN REQUEST TO EXIT DEVICE IS ACTIVATE.
- 4. ALL DOORS AUTOMATICALLY UNLOCK ON FIRE ALARM SYSTEM ACTIVATION.

GENERAL PROJECT NOTES:

- 1. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS SET FORTH IN THE PROJECT SPECIFICATIONS.
- 2. PRIOR TO INSTALLATION OF ANY EQUIPMENT OR CABLING, THE CONTRACTOR SHALL COORDINATE WITH ALL ENTITIES IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS.
- 3. PROJECT DRAWINGS PROVIDE GENERAL REFERENCE FOR PROJECT REQUIREMENTS. THE CONTRACTOR SHALL INCLUDE AND VERIFY COMPLETE REQUIREMENTS FOR INSTALLATION TO PROVIDE A COMPLETE AND CONCISE PROPOSAL.
- 4. INSTALLATION MUST COMPLY WITH EIA/ TIA STANDARDS 568 (CABLING), 569 (PATHWAYS AND SPACES), 606 (ADMINISTRATIVE), AND 607 (GROUNDING AND BONDING). BICSI INSTALLATION METHODOLOGIES, IN CASE OF CONFLICT AMONG DOCUMENTS CITED, THE MOST STRINGENT REQUIREMENT WILL BE FOLLOWED. REVIEW COMPLETE PROJECT SPECIFICATIONS FOR ALL REQUIREMENTS.
- 5. COORDINATE EXACT DEVICE LOCATION WITH CONSULTANT WHERE REQUIRED.
- 6. MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED.
- 7. CABLE SAG SHALL BE NO MORE THAN 12" BETWEEN CABLE SUPPORTS THROUGHOUT INSTALLATION.
- 8. ALL CONDUITS STUBS SHALL BE INSTALLED TO NEAREST ACCESSIBLE ATTIC SPACE ABOVE.
- 9. ALL CONDUITS SHALL BE EMT, GALVANIZED STEEL UNLESS OTHERWISE NOTED.
- 10. ALL CONDUITS SHALL BE INSTALLED WITH PLASTIC BUSHINGS.
- 11. ALL CABLING INSTALLED BY ALL LOW VOLTAGE SYSTEM CONTRACTORS SHALL INCLUDE 15' SERVICE LOOPS ON ANY AND ALL STRUCTURED CABLING INSTALLED THROUGHOUT THE PROJECT. SERVICE LOOPS SHALL BE MOUNTED ABOVE CEILINGS AT THE POINT OF ORIGIN AND TERMINATION LOCATIONS, PROPERLY SECURED AND TIED WITH VELCRO.
- 12. ELECTRICAL CONTRACTOR SHALL INSTALL ALL CONDUITS WITH PULL STRINGS.
- 13. GENERAL CONTRACTOR SHALL PROVIDED EMPTY SINGLE GANG BOX WITH 1" CONDUIT WITH PULL STRING TO ACCESSIBLE AREA ABOVE CEILING FOR ALL VOICE, DATA, SECURITY, AUDIO / VISUAL, INTERCOMS, SPEAKERS AND LOW VOLTAGE OUTLETS UNLESS OTHERWISE NOTED.
- 14. THE NUMBER IDENTIFIED AT EACH PORT LOCATION NOTES THE NUMBER OF PORTS INSTALLED. IF NO NUMBER IS IDENTIFIED, THE NUMBER OF PORTS / CABLES INSTALLED IS 1.
- 15. ALL VOICE AND DATA CABLING SHALL BE CATEGORY 6 UNSHIELDED TWISTED PAIR PLENUM-RATED.
- 16. ALL TELEPHONE AND DATA JACKS, CABLING, FACE PLATES, PATCH PANELS, RACKS, SHALL BE PROVIDED AND INSTALLED STRUCTURED CABLING CONTRACTOR.
- 17. ALL INSTALLATION MATERIALS INCLUDING LADDER RACKS, D-RINGS, J-HOOKS, AND ASSOCIATED MATERIALS SHALL BE PROVIDED AND INSTALLED BY STRUCTURED CABLING CONTRACTOR.
- 18. ALL TELEVISION OUTLETS SHALL BE PROVIDED BY STRUCTURED CABLING CONTRACTOR.
- 19. COORDINATE VERTICAL ELEVATION OF ALL PATHWAY SECTIONS AND WALL PENETRATIONS WITH LOW VOLTAGE CONTRACTORS.
- 20. ALL CONTRACTORS SHALL FOLLOW ALL PULL BOX REQUIREMENTS, BEND RADII, SWEEP ANGLES AND OTHER SPECIFICATIONS AS IDENTIFIED IN EIA/ TIA STANDARD 569.
- 21. ALL CONTRACTORS SHALL PLACE LABELS ON ALL CABLES INSTALLED. CABLES LABELS SHALL BE PLACED ON BOTH ENDS OF CABLES AT 5" FROM END OF OUTER CABLE SHEATH.
- 22. CONTRACTOR SHALL REVIEW ALL PLANS TO IDENTIFY COMPLETE SCOPE OF WORK.
- 23. CONTRACTOR SHALL TAKE NOTE OF ALL INTEGRATION REQUIREMENTS FOR CABLE INSTALLATION WHERE REQUIRED FOR FURNITURE.
- 24. SYMBOLS ARE FOR REFERENCE ONLY AND ARE NOT TO SCALE.

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Strategic Technology Planners and Consultants

111 Project Number:
3835

Gateway Community Action Partnership
Head Start Early Education Center

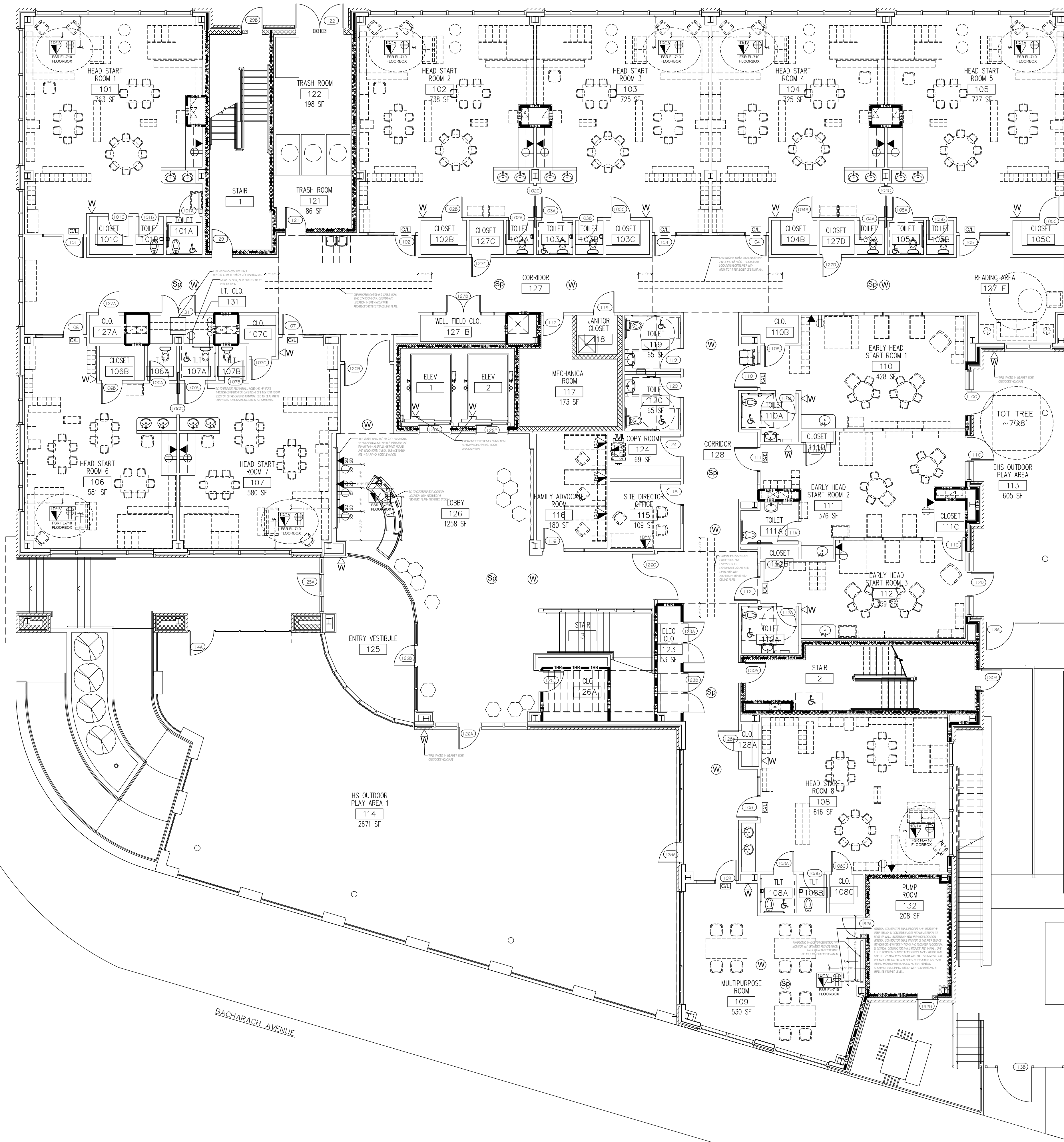
1485 BACHLURGH BOULEVARD
ATLANTA, GA 30341, USA

Project Name:
GATEWAY HEAD START
Project #: 227-315.00 Issue Date: 5/28/2015
Drawn By: AMR Checked By: JWD

DRAWING TITLE:
GENERAL NOTES AND DETAILS

DRAWING:

11-000



STRUCTURED CABLING
FIRST FLOOR PLAN

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

GENERAL NOTES:

1. ALL STRUCTURED CABLING SHALL TRAVEL FROM THEIR WORK AREA OUTLET TO THE IDF LOCATED ON THE SAME FLOOR.
2. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE ONE (1) CATEGORY 6 UTP CABLE FROM EACH WIRELESS ACCESS POINT LOCATION TO THE IDF CLOSET ON THE SAME FLOOR. A 20' SERVICE LOOP SHALL BE PROVIDED FOR EACH CABLE AT THE ACCESS POINT LOCATION.
3. ALL WIRELESS ACCESS POINTS SHALL BE PROVIDED BY THE NETWORK INTEGRATOR.
4. ALL OUTLETS ARE TO BE MOUNTED AT 18" A.F.F. UNLESS OTHERWISE NOTED.

LEGEND

- ◀ 2D/1V - WALL-MOUNTED VOICE / DATA NETWORK OUTLET @ 18" A.F.F.
DENOTES NUMBER OF CONNECTIONS AT OUTLET (TYP.)
- ▲ - WALL-MOUNTED DATA NETWORK OUTLET @ 18" A.F.F.
- ◁ - WALL-MOUNTED VOICE NETWORK OUTLET @ 18" A.F.F.
- ◁ W - WALL-MOUNTED VOICE NETWORK OUTLET WALL PHONE @ 42" A.F.F.
- ⊙ - CEILING MOUNTED WIRELESS ACCESS POINT
- ⊙ S - CEILING RECESSED SPEAKER
- ⊙ CL - ATLAS SOUND 18SC IP CLOCK / LOUDSPEAKER SYSTEM MOUNTED AT 72" A.F.F.
- ⊙ TV - WALL-MOUNTED RG-6 CABLE TV OUTLET @ 18" A.F.F. W/ ELECTRICAL CONTRACTOR PROVIDED AND INSTALLED 20A 120V DUPLEX OUTLET (ADJACENT TO RG-6 OUTLET)
- ⊕ EM - 120V 20A QUAD OUTLET PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR
DENOTES EMERGENCY POWER CIRCUIT REQUIREMENT
- ⊕ - 120V 20A DUPLEX OUTLET PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR



111 Project Number:
3835

Gateway Community Action Partnership
Head Start Early Education Center
1453 BACHARACH BOULEVARD
ATLANTIC CITY, NEW JERSEY
08402-293, USA

Project Name:
GATEWAY HEAD START
Project #: 227-315.00 Issue Date: 5/28/2015
Drawn By: AMR Checked By: JWD

DRAWING TITLE:
STRUCTURED CABLING
FIRST FLOOR PLAN

DRAWING:

BID SET - MAY 28, 2015

11-101

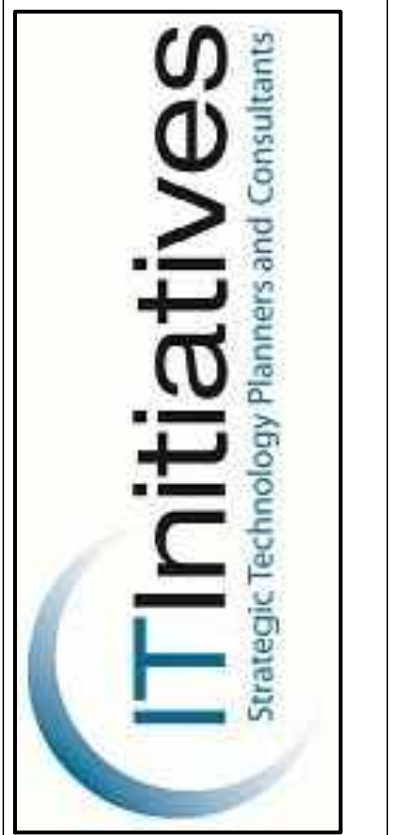


1
STRUCTURED CABLING
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL STRUCTURED CABLING SHALL TRAVEL FROM THEIR WORK AREA OUTLET TO THE IDF LOCATED ON THE SAME FLOOR.
2. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE ONE (1) CATEGORY 6 UTP CABLE FROM EACH WIRELESS ACCESS POINT LOCATION TO THE IDF CLOSET ON THE SAME FLOOR. A 20' SERVICE LOOP SHALL BE PROVIDED FOR EACH CABLE AT THE ACCESS POINT LOCATION.
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LEGEND	
	20/1V - WALL-MOUNTED VOICE / DATA NETWORK OUTLET @ 18" A.F.F. DENOTES NUMBER OF CONNECTIONS AT OUTLET (TYP.)
	- WALL-MOUNTED DATA NETWORK OUTLET @ 18" A.F.F.
	- WALL-MOUNTED VOICE NETWORK OUTLET @ 18" A.F.F.
	W - WALL-MOUNTED VOICE NETWORK OUTLET WALL PHONE @ 42" A.F.F.
	W - CEILING MOUNTED WIRELESS ACCESS POINT
	SP - CEILING RECESSED SPEAKER
	CL - ATLAS SOUND IBSC IP CLOCK / LOUDSPEAKER SYSTEM MOUNTED AT 72" A.F.F.
	TV - WALL-MOUNTED RG-6 CABLE TV OUTLET @ 18" A.F.F. W/ ELECTRICAL CONTRACTOR PROVIDED AND INSTALLED 20A 120V DUPLEX OUTLET (ADJACENT TO RG-6 OUTLET)
	EM - 120V 20A QUAD OUTLET PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR
	EM - DENOTES EMERGENCY POWER CIRCUIT REQUIREMENT
	EM - 120V 20A DUPLEX OUTLET PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR



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Gateway Community Action Partnership
Head Start Early Education Center
1453 BACHTERICH BOULEVARD
ATLANTIC CITY, NEW JERSEY
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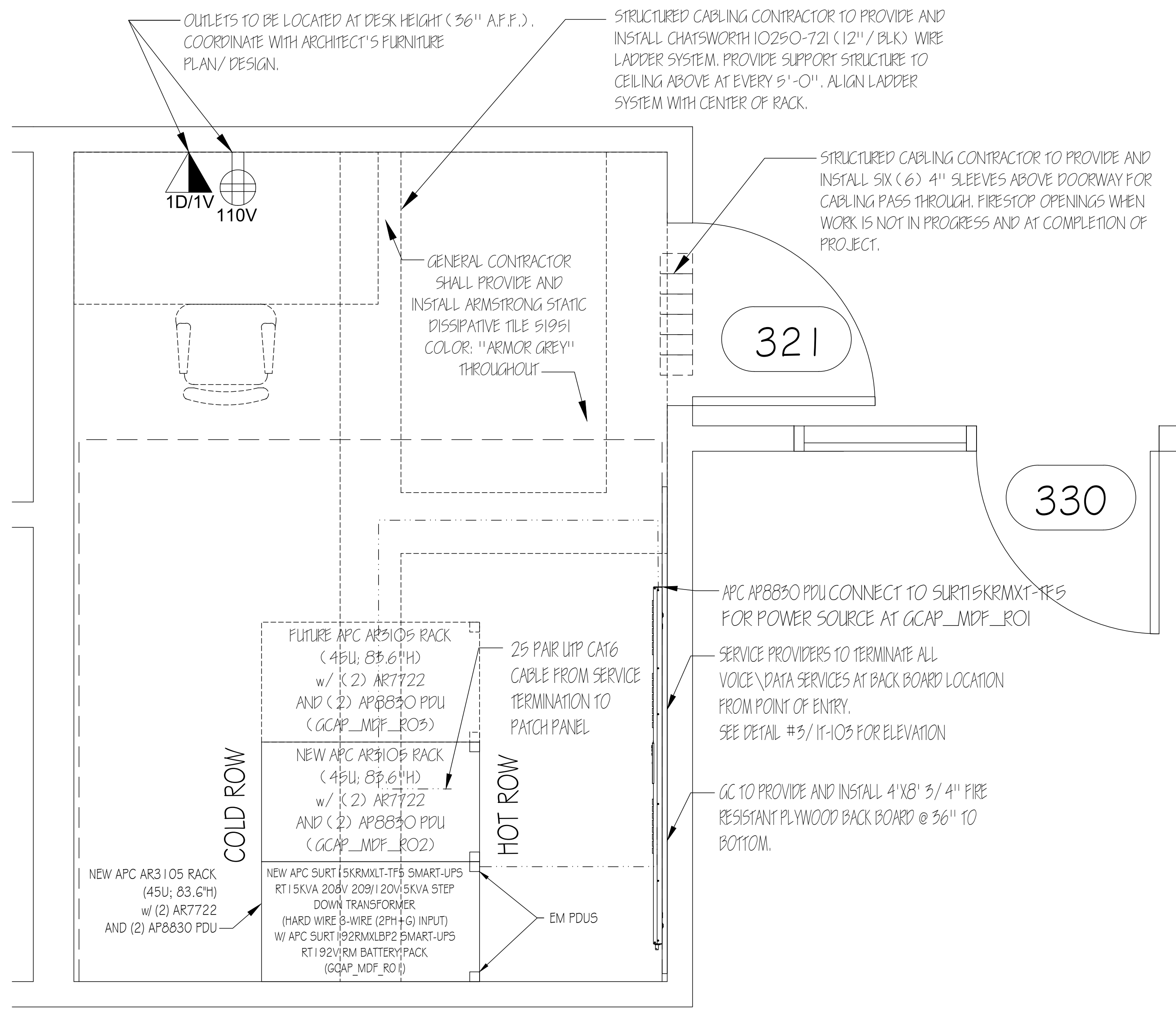
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GATEWAY HEAD START
Project #: 227-315.00 Issue Date: 5/28/2015
Drawn By: AMR Checked By: JWD

DRAWING TITLE:
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SECOND FLOOR PLAN

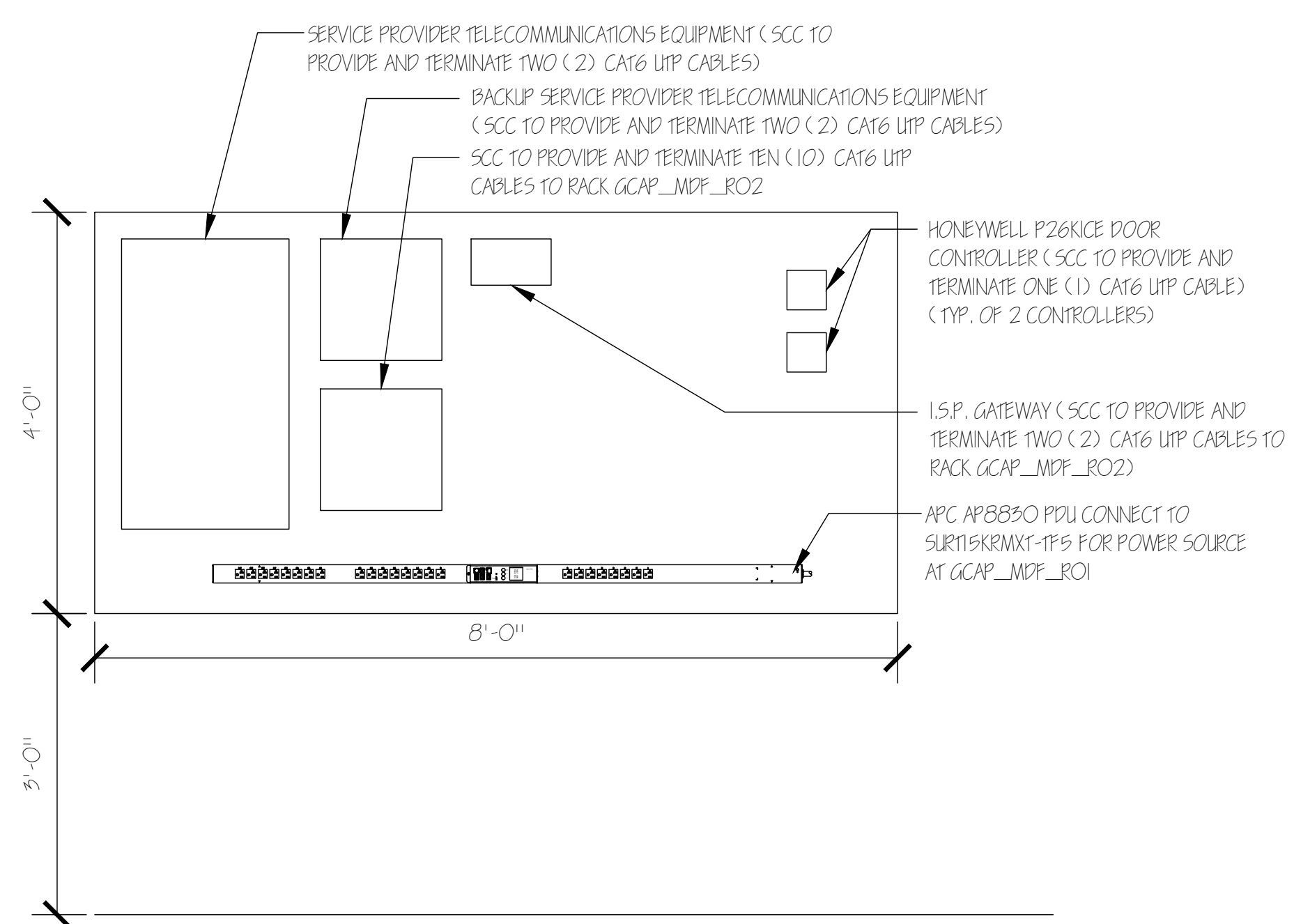
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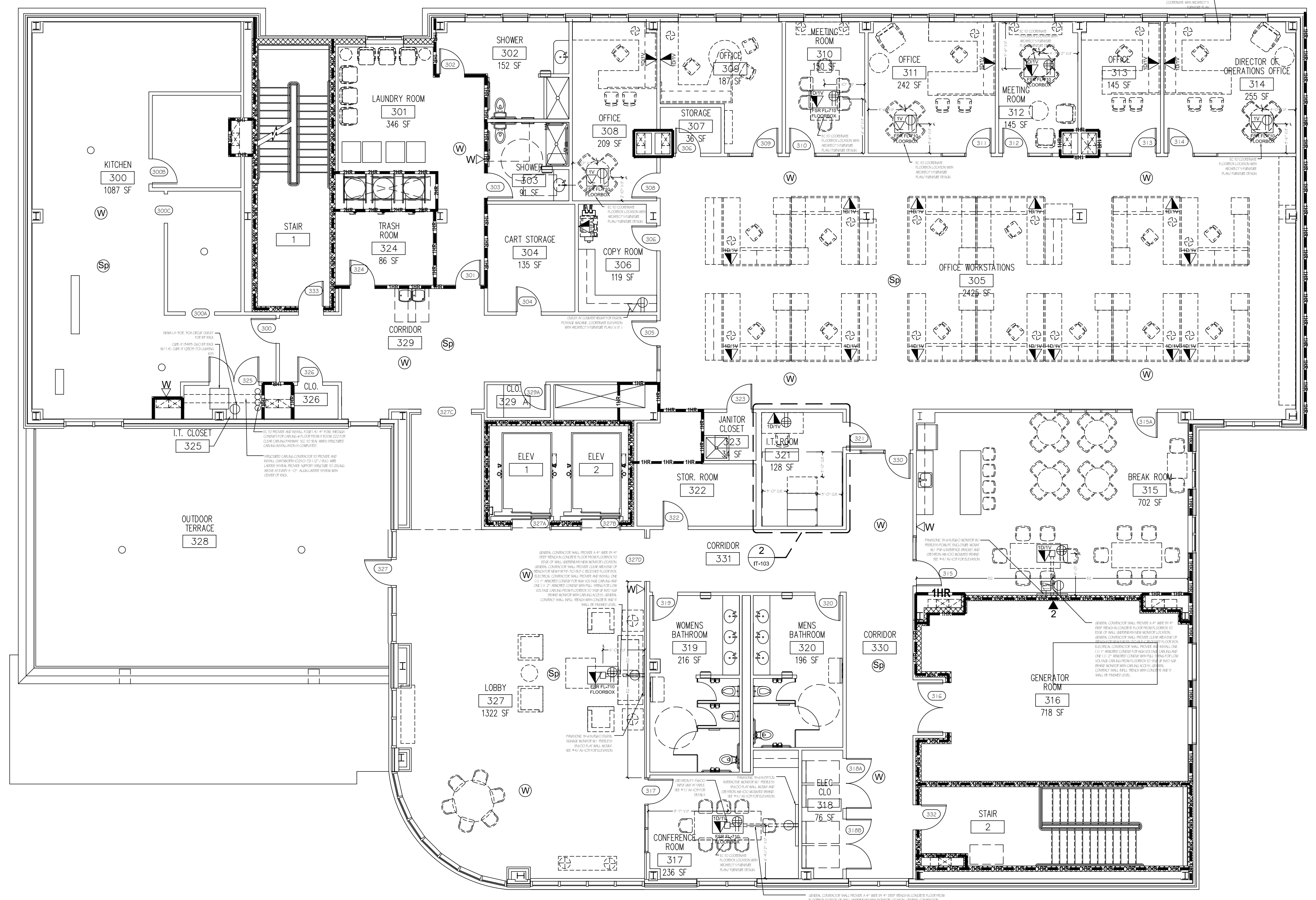
BID SET - MAY 28, 2015



2 I.T. (MDF) ROOM 321
ENLARGED PARTIAL THIRD FLOOR PLAN
SCALE: 3/4" = 1'-0"



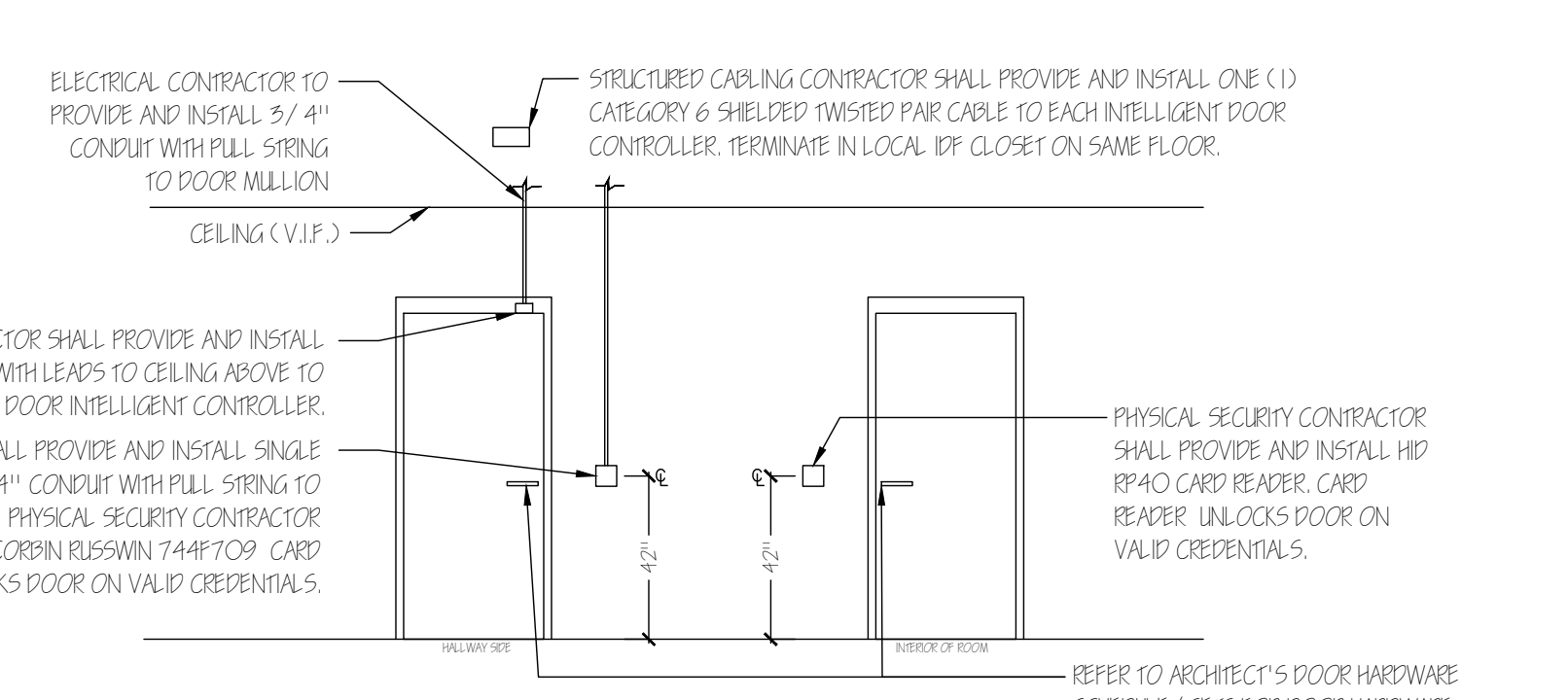
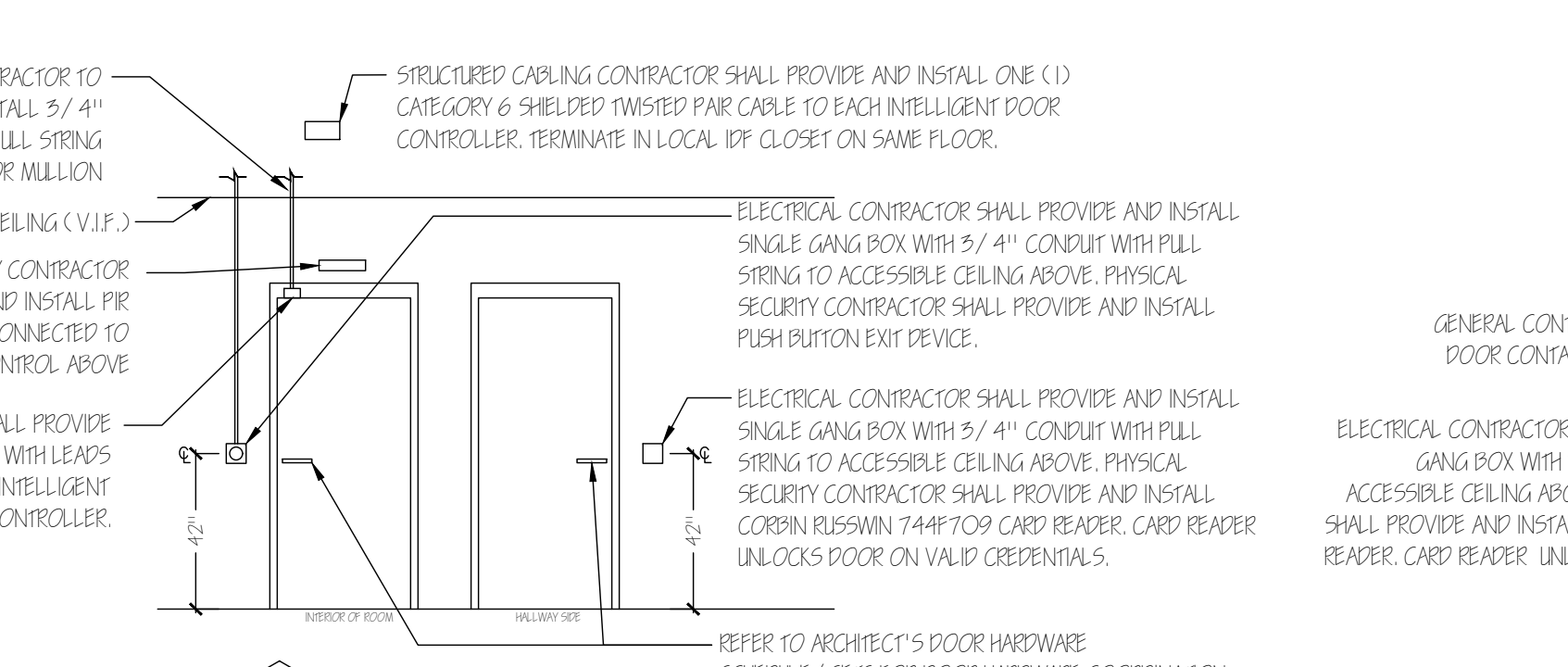
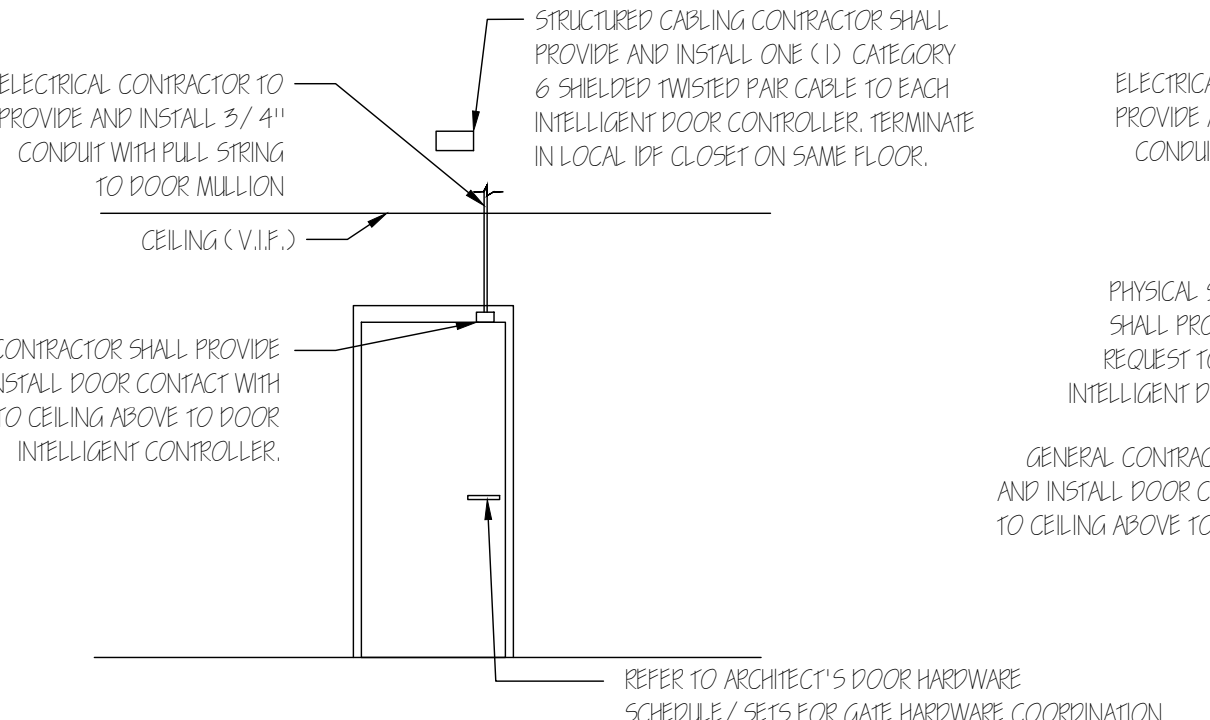
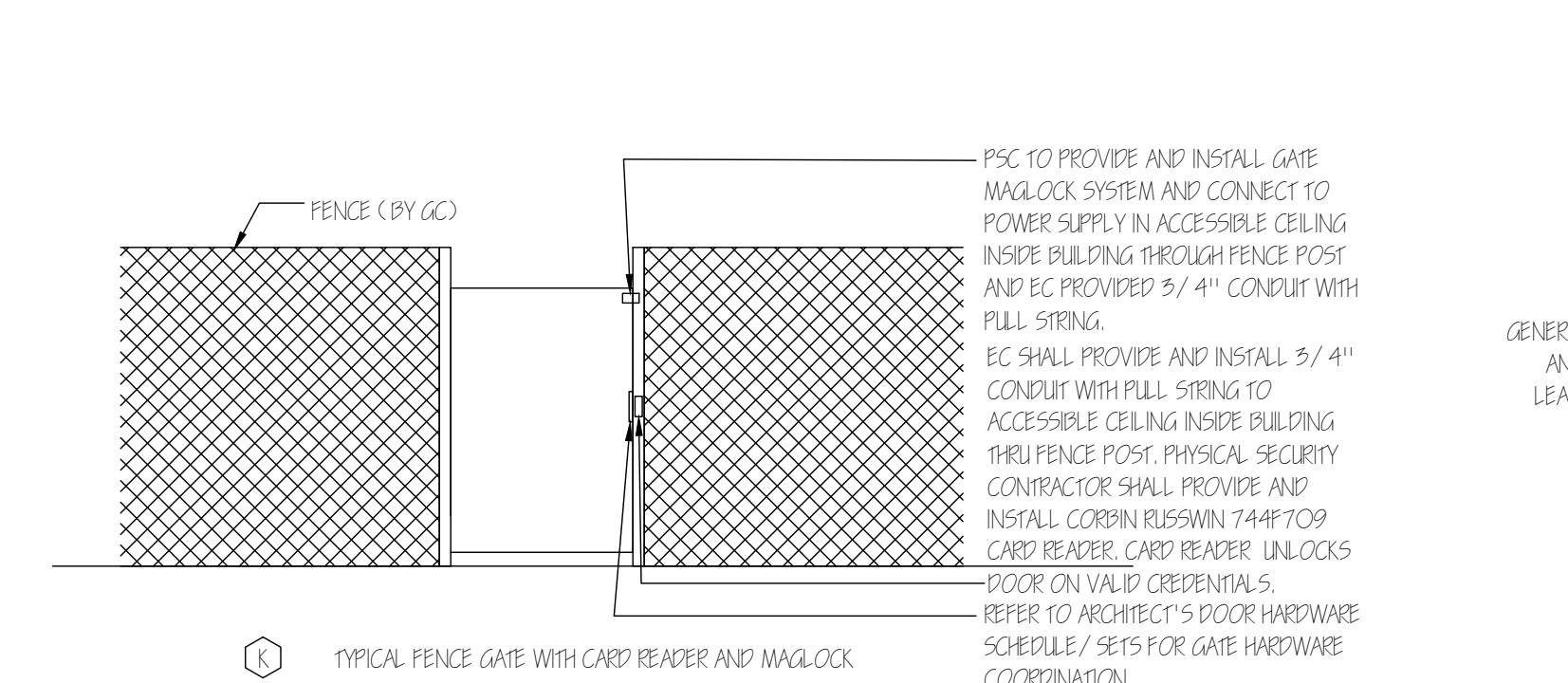
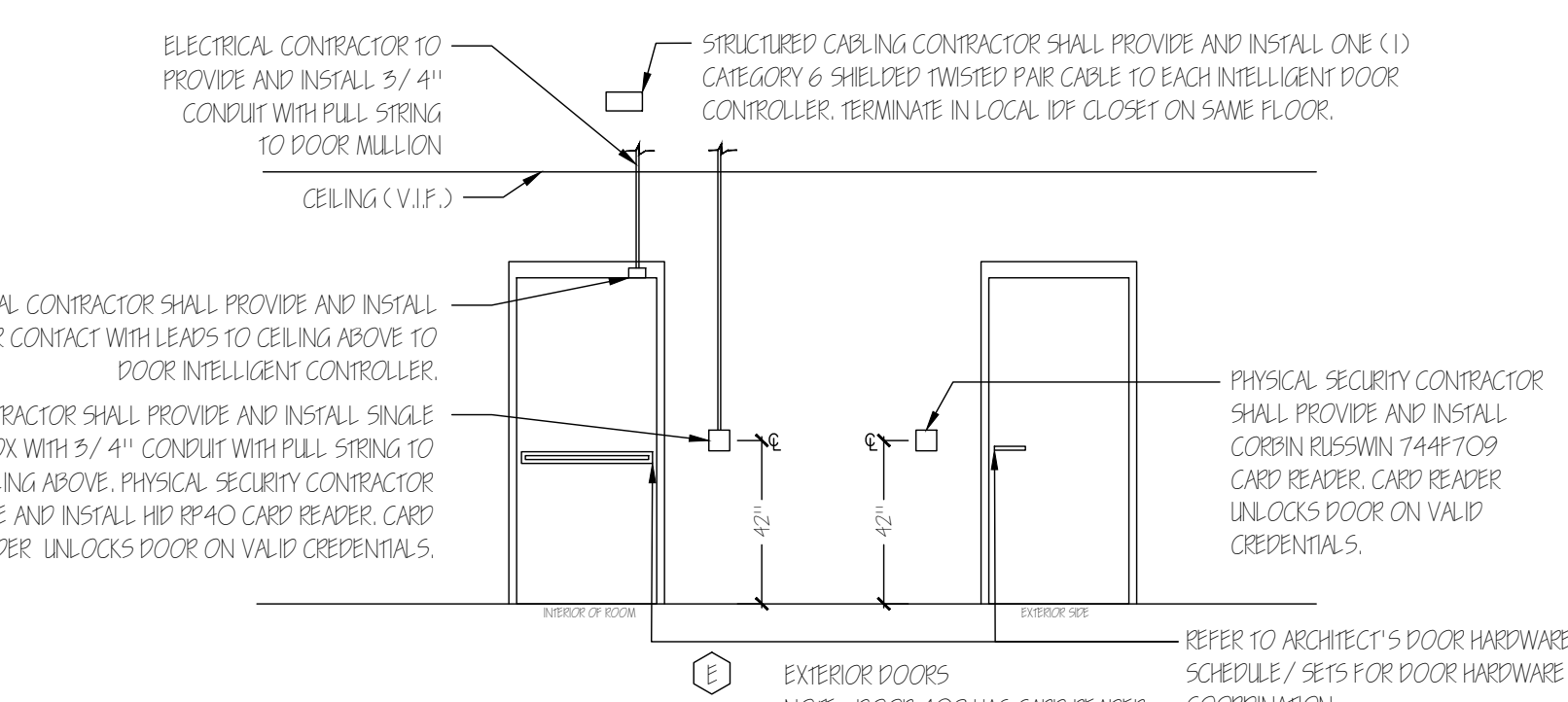
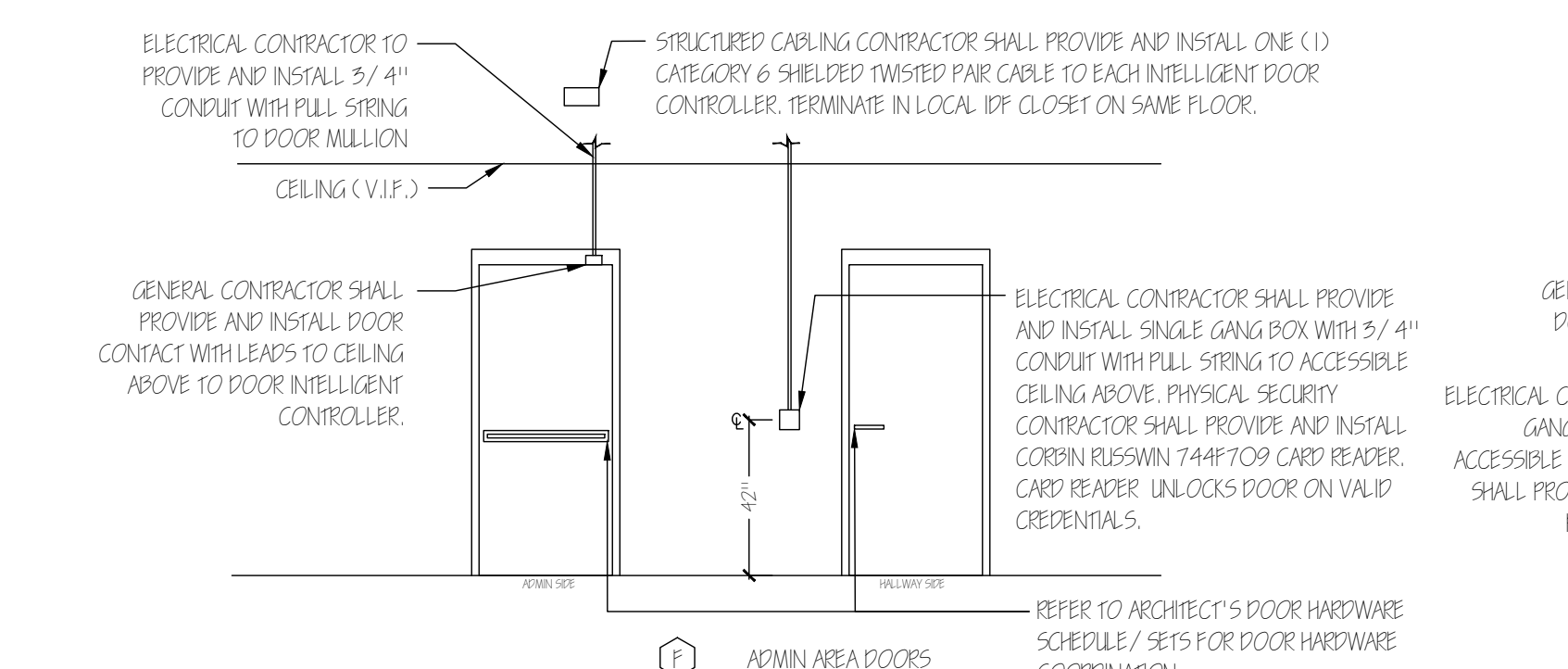
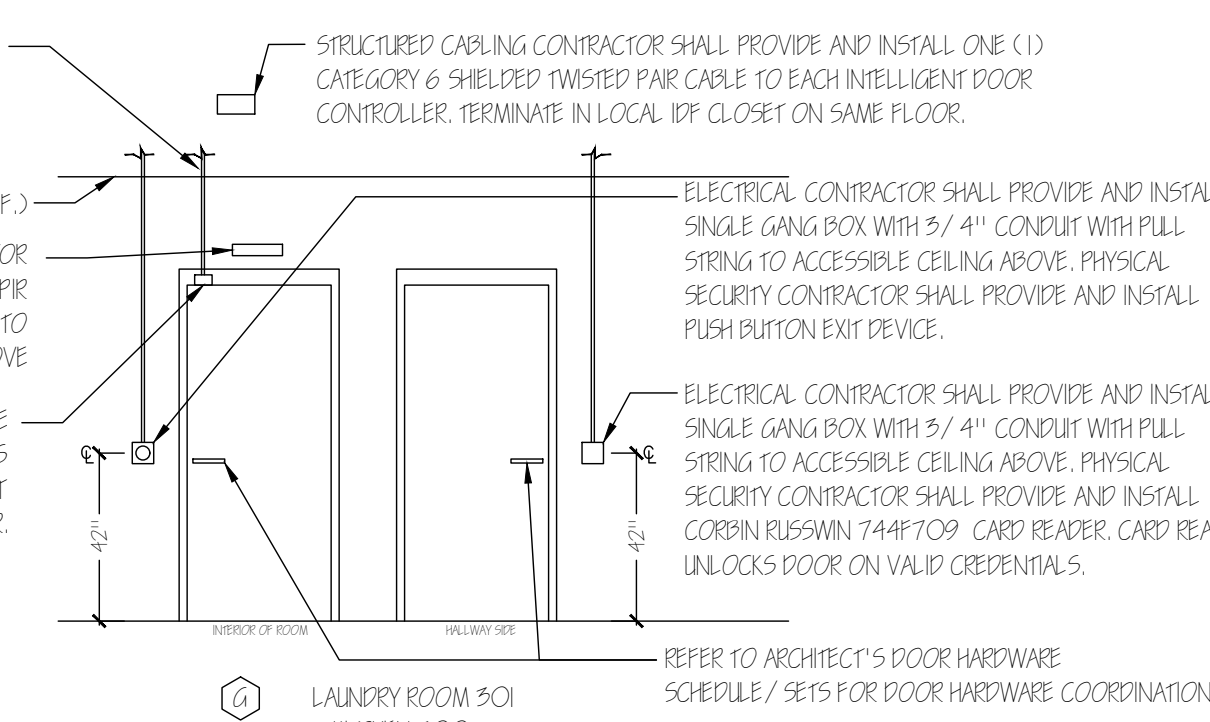
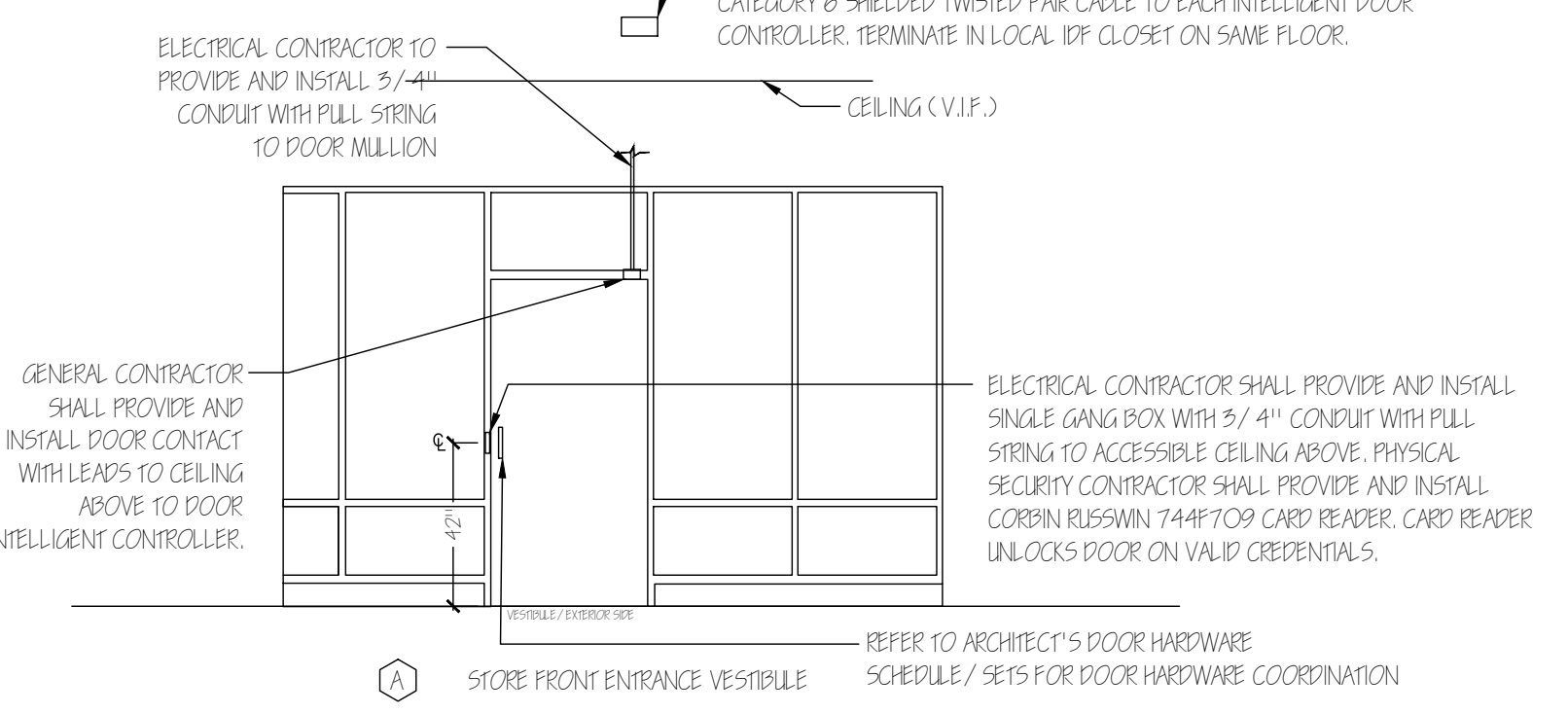
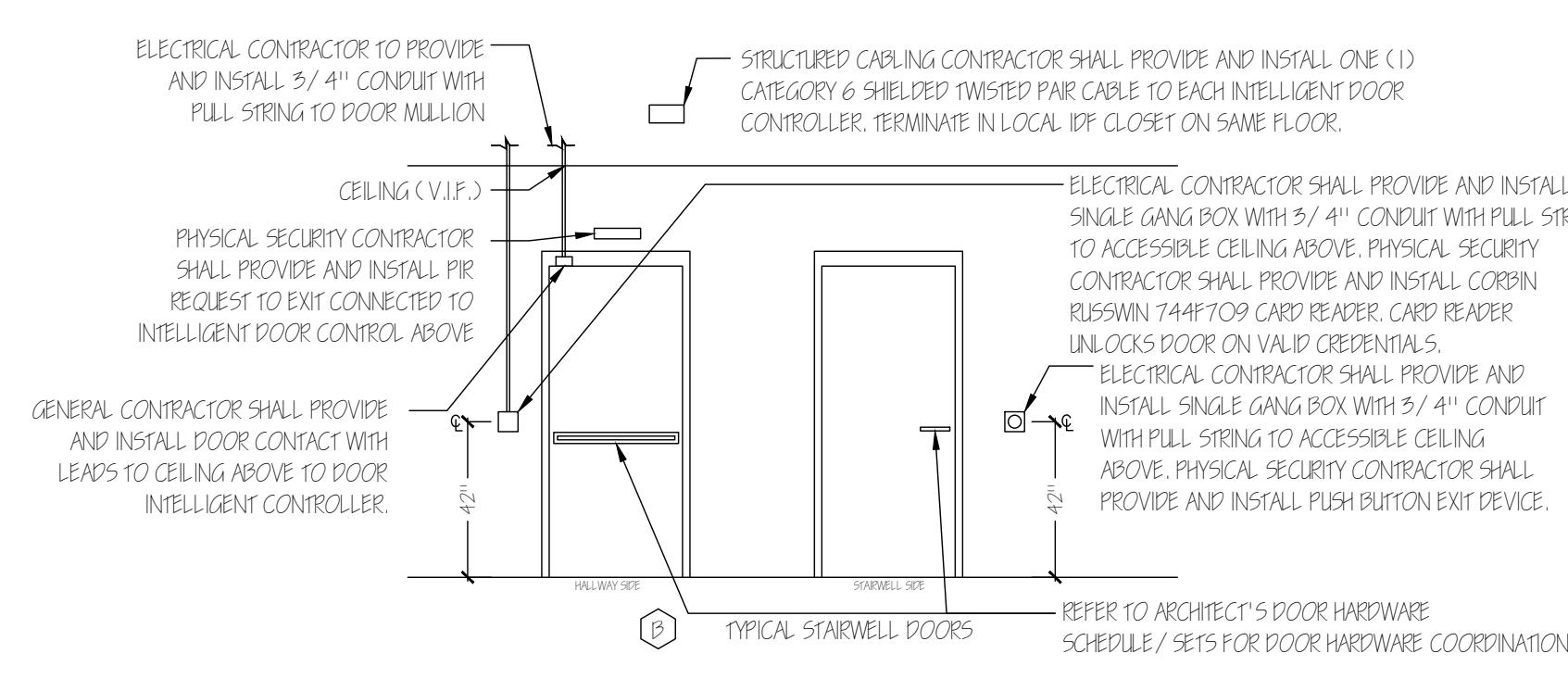
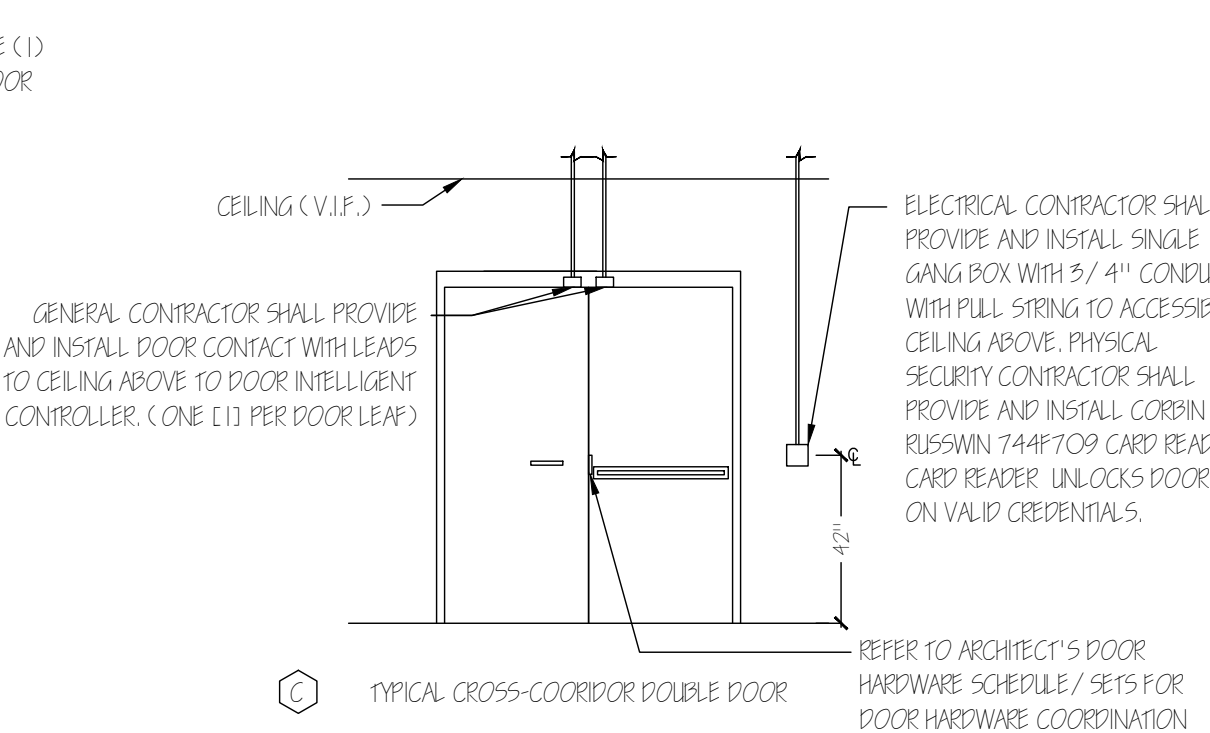
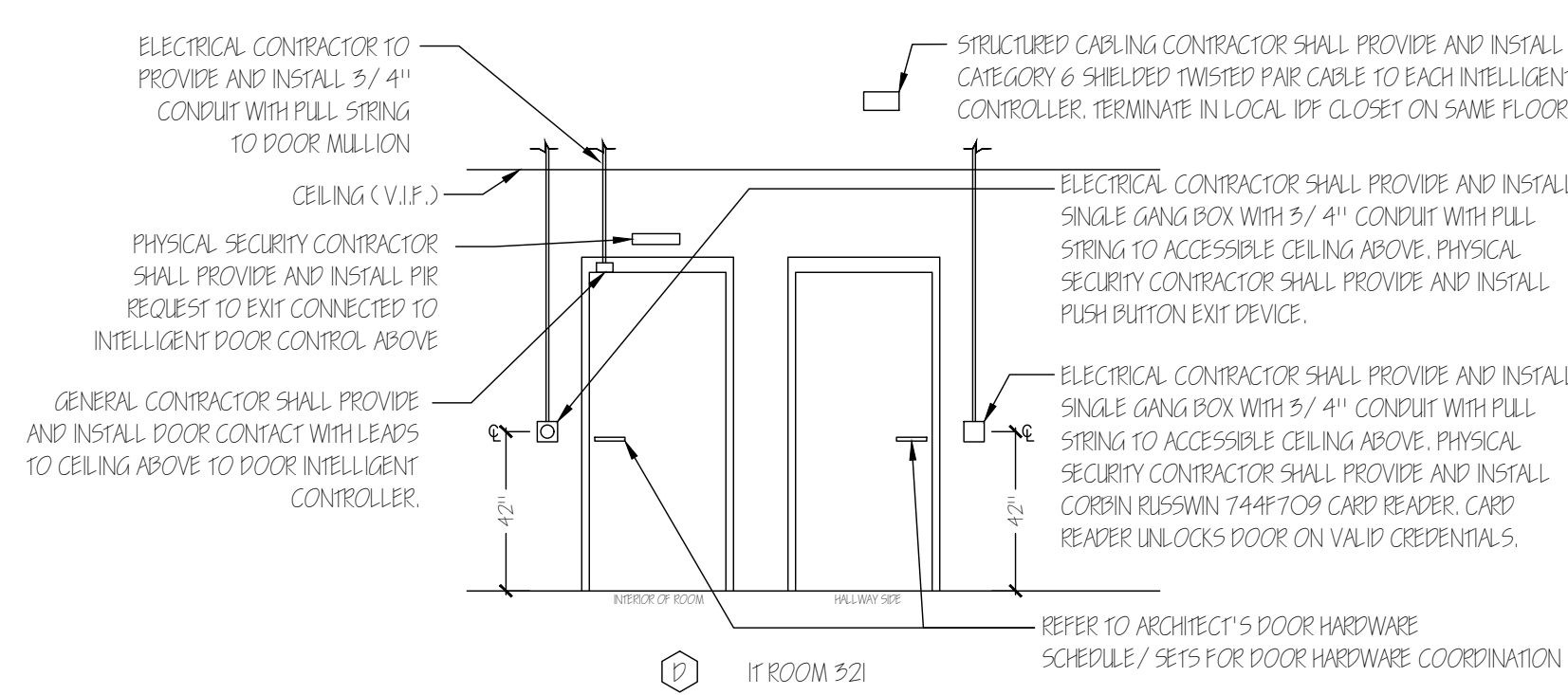
3 I.T. (MDF) ROOM 321
BACKBOARD ELEVATION
SCALE: 3/4" = 1'-0"



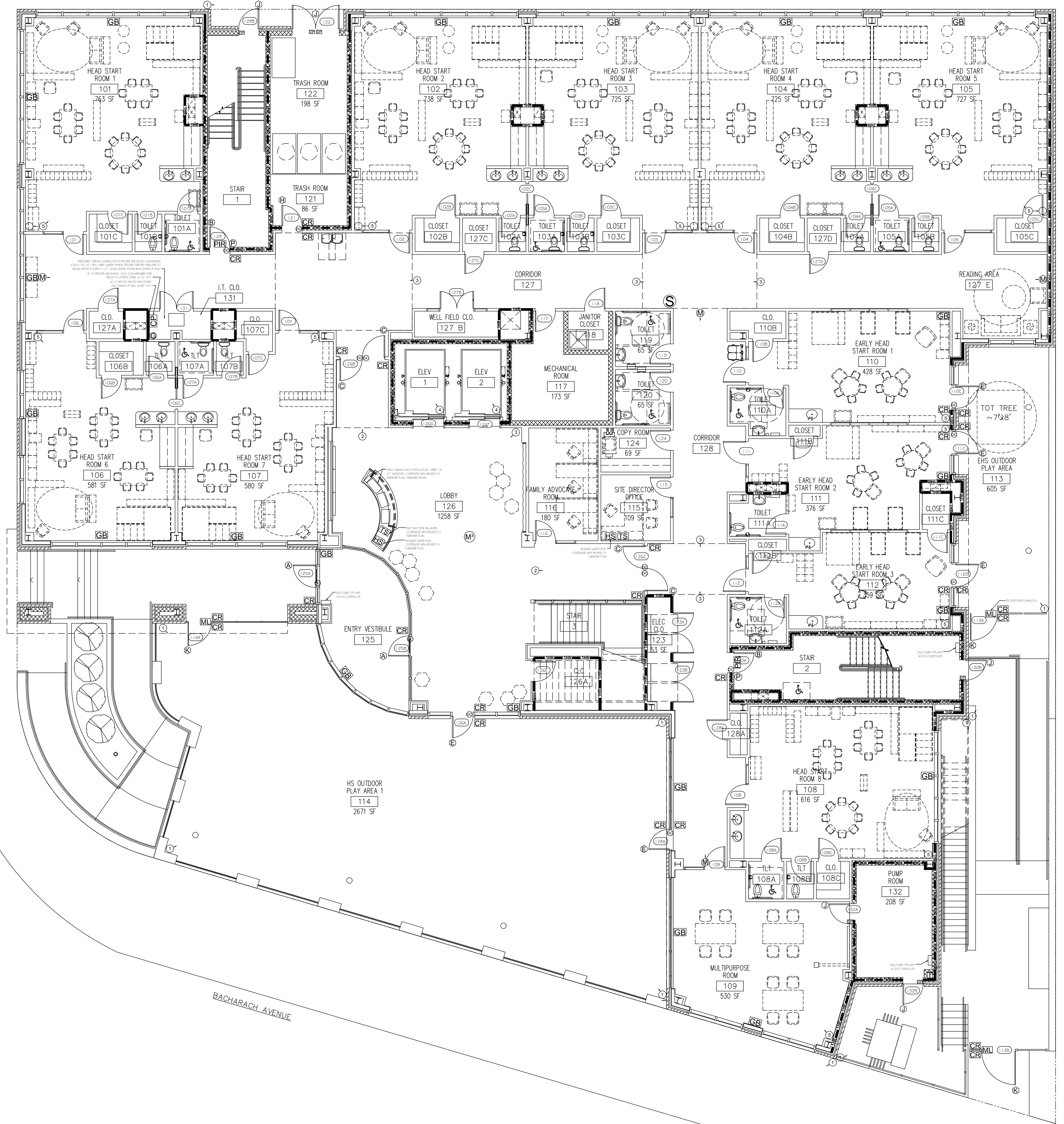
1 STRUCTURED CABLING
THIRD FLOOR PLAN
SCALE: 1/8" = 1'-0"

- GENERAL NOTES:
1. ALL STRUCTURED CABLING SHALL TRAVEL FROM THEIR WORK AREA AN OUTLET TO THE IDF LOCATED ON THE SAME FLOOR.
 2. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE ONE (1) CATEGORY 6 UTP CABLE FROM EACH WIRELESS ACCESS POINT LOCATION TO THE IDF CLOSET ON THE SAME FLOOR. A 20' SERVICE LOOP SHALL BE PROVIDED FOR EACH CABLE AT THE ACCESS POINT LOCATION.
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⊕	- 120V 20A DUPLEX OUTLET PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR



PHYSICAL SECURITY ACCESS CONTROLLED DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"



PHYSICAL SECURITY FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE GANG BOX WITH 1" CONDUIT FOR EACH EXTERIOR VIDEO SURVEILLANCE CAMERA. CONDUIT SHALL TERMINATE TO INTERIOR ACCESSIBLE CEILING INSIDE BUILDING. CAMERA PROVIDED AND INSTALLED BY PHYSICAL SECURITY CONTRACTOR. MINIMUM MOUNTING HEIGHT OF 10'-0". VERIFY FINAL ELEVATION LOCATION IN FIELD.
2. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) UNSHIELDED TWISTED PAIR CATEGORY SIX CABLE AT EACH VIDEO SURVEILLANCE CAMERA LOCATION.
3. OUTDOOR RATED CABLING SHALL BE USED FOR EXTERIOR CAMERAS.
4. CAMERA RANGES ARE AS PER MANUFACTURER'S SPECIFICATIONS
 - 4.1. AXIS P3367-VE; IR RANGE: 100'; CAPTURE ANGLE: 84°
 - 4.2. HONEYWELL H3D5D 10BOP; IR RANGE: 50'; CAPTURE ANGLE: 86°
 - 4.3. HONEYWELL H3D3SR2 3MP; IR RANGE: 50'; CAPTURE ANGLE: 90°
 - 4.4. HONEYWELL H52P6 ELEVATOR; CAPTURE ANGLE: 78°
 - 4.5. AXIS P3365-V CLASSROOM; IR RANGE: 100'; CAPTURE ANGLE: 100°

PHYSICAL SECURITY SYMBOL LEGEND

①	AXIS P3367-VE OUTDOOR DOME IP CAMERA
②	HONEYWELL H3D5D 10BOP INDOOR MINIDOME IP CAMERA
③	HONEYWELL H3D3SR2 3MP INDOOR MINIDOME IP CAMERA
④	HONEYWELL H52P6 ELEVATOR INDOOR MICRO DOME IP CAMERA
⑤	AXIS P3365-V CLASSROOM DOME IP CAMERA
GB	FLEXGUARD FG-1625SN GLASS BREAK
M	HONEYWELL D17500SN LONG RANGE MOTION DETECTOR
M*	HONEYWELL IS-280CM 360° MOTION DETECTOR
DP	V-PLEX 4191SN-WH DOOR POSITION CONTACT
DC	W11 WIEGAND DOOR CONTACT (P & I BY GC)
S	HONEYWELL WAVE 4 2-TONE SIREN
CP	HONEYWELL VISTA-128BPT CONTROL PANEL W/ N5873V4PE ENCLOSURE
TS	HONEYWELL 7" TUXEDO TUXMFIW TOUCH KEYPAD
HS	HONEYWELL 269R HOLD-UP SWITCH
G	GSM IGSMV4G COMMUNICATOR
CR	HONEYWELL HID RP40 CARD READER
ML	INDOOR/ OUTDOOR MAGLOCK SYSTEM
P	PUSH BUTTON REQUEST TO EXIT
PIR	PIR MOTION REQUEST TO EXIT
A	DOOR TYPE; WHERE "A" REPRESENTS DOOR TYPE BASED ON ELEVATIONS (REFER TO IT-400/ #1)



111 Project Number:
3835

Gateway Community Action Partnership
Head Start Early Education Center
1453 BACHARACH BOULEVARD
ATLANTIC CITY, NEW JERSEY
08403-2951, USA

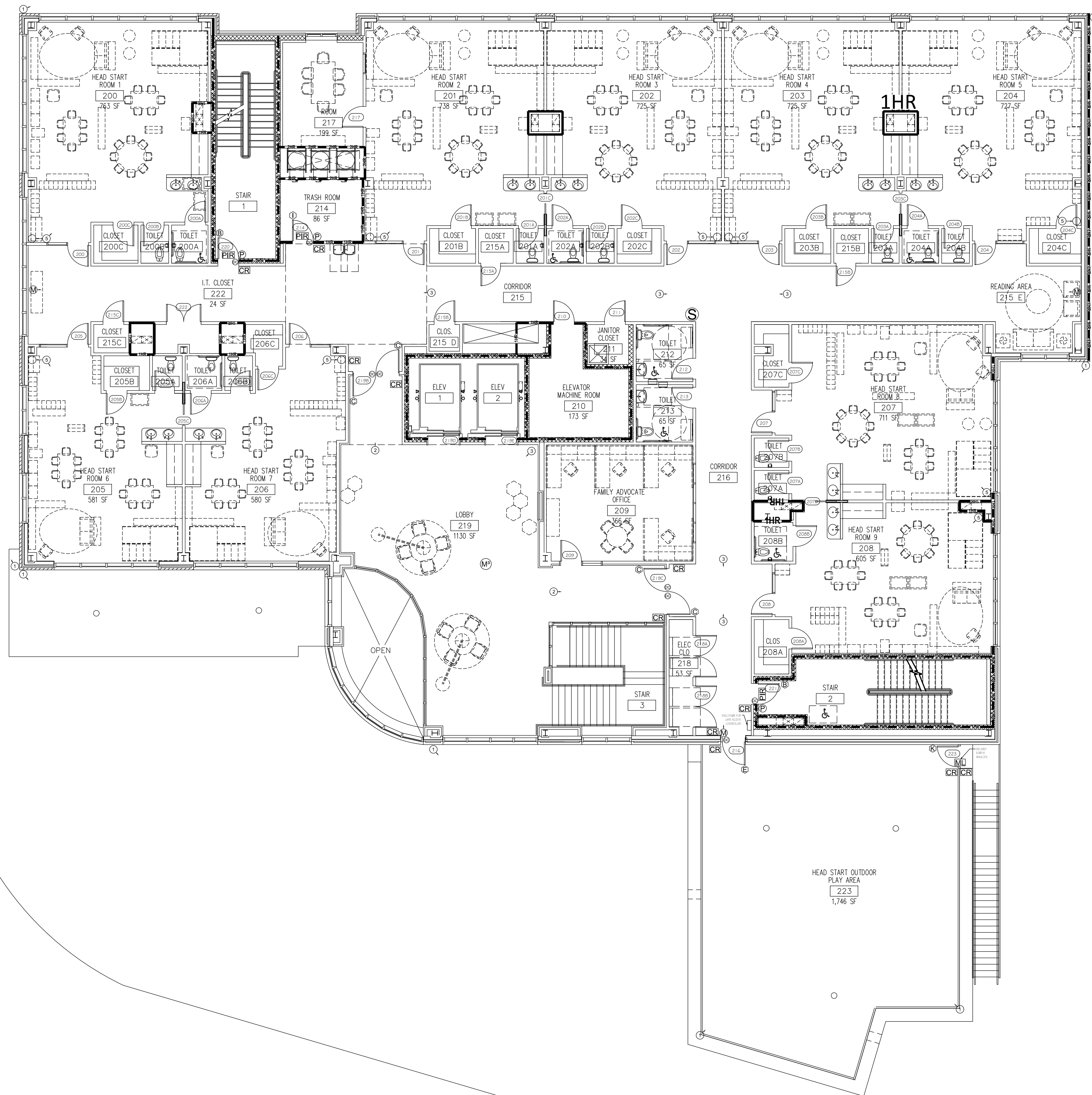
Project Name:
GATEWAY HEAD START
Project #: 227-315.00
Issue Date: 5/28/2015
Drawn By: AMR
Checked By: JWD

DRAWING TITLE:
PHYSICAL SECURITY FIRST FLOOR PLAN

DRAWING:

BID SET - MAY 28, 2015

IT-401



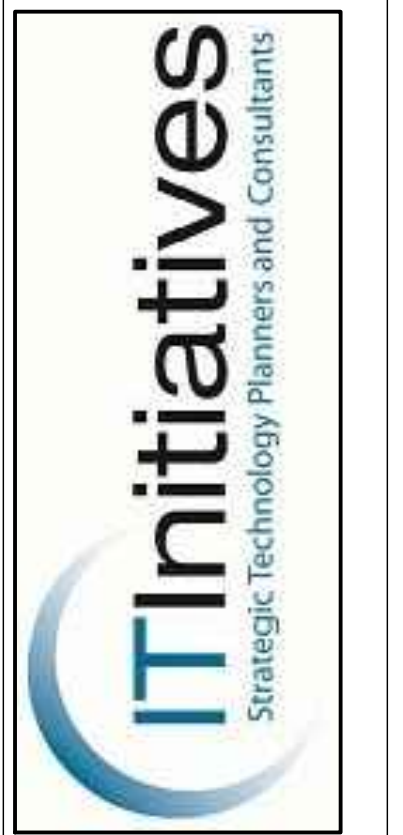
PHYSICAL SECURITY
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE GANG BOX WITH 1" CONDUIT FOR EACH EXTERIOR VIDEO SURVEILLANCE CAMERA. CONDUIT SHALL TERMINATE TO INTERIOR ACCESSIBLE CEILING INSIDE BUILDING. CAMERA PROVIDED AND INSTALLED BY PHYSICAL SECURITY CONTRACTOR. MINIMUM MOUNTING HEIGHT OF 10'-0". VERIFY FINAL ELEVATION LOCATION IN FIELD.
2. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) UNSHIELDED TWISTED PAIR CATEGORY SIX CABLE AT EACH VIDEO SURVEILLANCE CAMERA LOCATION.
3. OUTDOOR RATED CABLING SHALL BE USED FOR EXTERIOR CAMERAS.
4. CAMERA RANGES ARE AS PER MANUFACTURER'S SPECIFICATIONS
 - 4.1. AXIS P3367-VE; IR RANGE: 100'; CAPTURE ANGLE: 84°
 - 4.2. HONEYWELL H3D5D 1080P; IR RANGE: 50'; CAPTURE ANGLE: 86°
 - 4.3. HONEYWELL H3D3SR2 3MP; IR RANGE: 50'; CAPTURE ANGLE: 90°
 - 4.4. HONEYWELL H52P6 ELEVATOR; CAPTURE ANGLE: 78°
 - 4.5. AXIS P3365-V CLASSROOM; IR RANGE: 100'; CAPTURE ANGLE: 100°

PHYSICAL SECURITY SYMBOL LEGEND

①	AXIS P3367-VE OUTDOOR DOME IP CAMERA
②	HONEYWELL H3D5D 1080P INDOOR MINIDOME IP CAMERA
③	HONEYWELL H3D3SR2 3MP INDOOR MINIDOME IP CAMERA
④	HONEYWELL H52P6 ELEVATOR INDOOR MICRO DOME IP CAMERA
⑤	AXIS P3365-V CLASSROOM DOME IP CAMERA
GB	FLEXGUARD FG-1625SN GLASS BREAK
M	HONEYWELL D17500SN LONG RANGE MOTION DETECTOR
M ²	HONEYWELL 15-280CM 360° MOTION DETECTOR
DP	V-PLEX 4191SN-WH DOOR POSITION CONTACT
DC	W11 WIEGAND DOOR CONTACT (P & I BY GC)
S	HONEYWELL WAVE 4 2-TONE SIREN
CP	HONEYWELL VISTA-128BPT CONTROL PANEL W/ N5873V4BE ENCLOSURE
TS	HONEYWELL 7" TUXEDO TUXMFIW TOUCH KEYPAD
HS	HONEYWELL 269R HOLD-UP SWITCH
G	GSM IG5MV4G COMMUNICATOR
CR	HONEYWELL HID RP40 CARD READER
ML	INDOOR / OUTDOOR MAGLOCK SYSTEM
P	PUSH BUTTON REQUEST TO EXIT
PIR	PIR MOTION REQUEST TO EXIT
A	DOOR TYPE; WHERE "A" REPRESENTS DOOR TYPE BASED ON ELEVATIONS (REFER TO IT-400/ #1)



111 Project Number:
3835

Gateway Community Action Partnership
Head Start Early Education Center
1453 BACHTLURGH BOULEVARD
ATLANTIC CITY, NEW JERSEY
08402-2051, USA

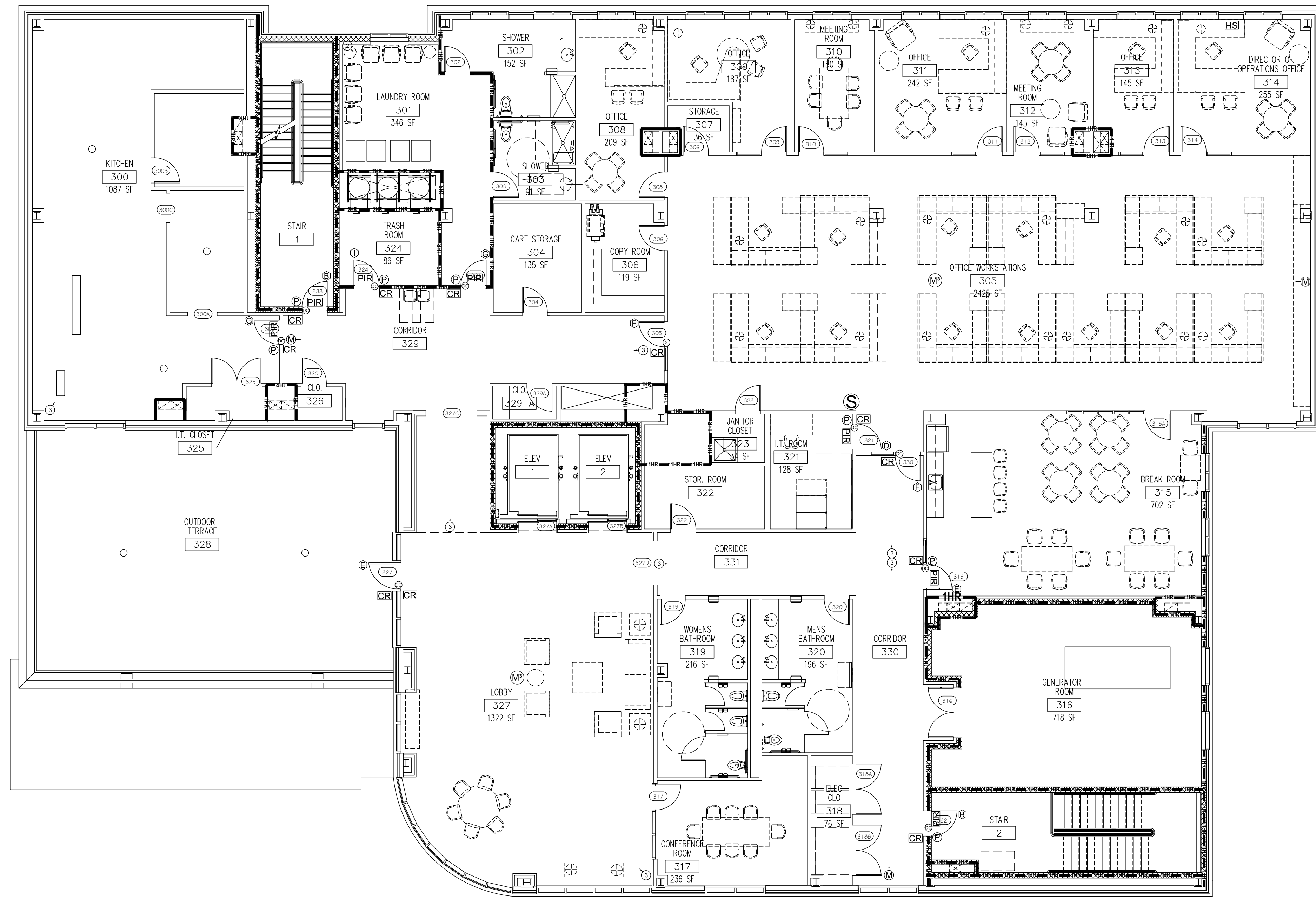
Project Name:
GATEWAY HEAD START
Project #: 227-315.00
Issue Date: 5/28/2015
Drawn By: AMR
Checked By: JWD

DRAWING TITLE:
PHYSICAL SECURITY
SECOND FLOOR PLAN

DRAWING:

BID SET - MAY 28, 2015

11-402



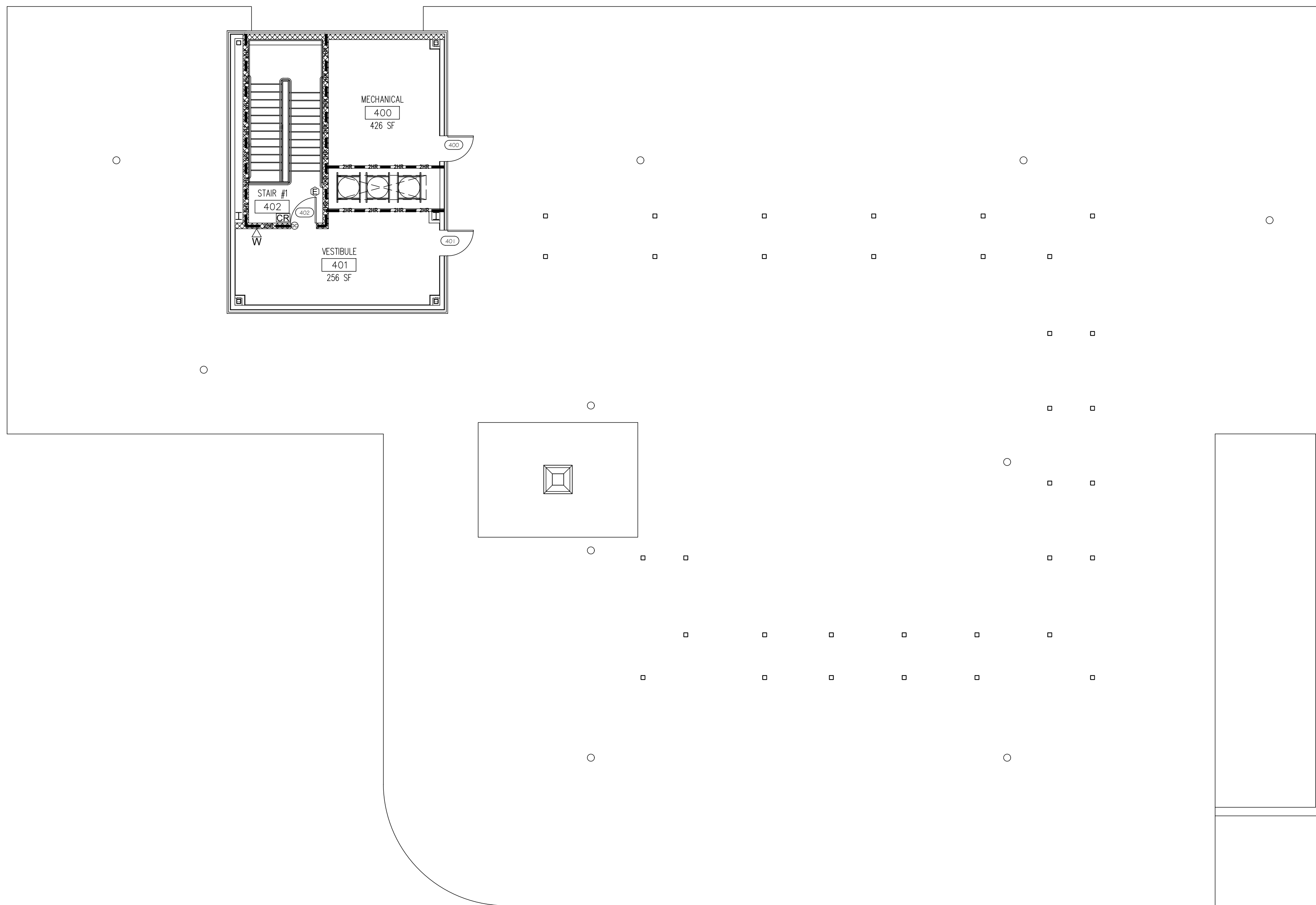
1
 PHYSICAL SECURITY
 THIRD FLOOR PLAN
 SCALE: 1/8" = 1'-0"

NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE GANG BOX WITH 1" CONDUIT FOR EACH EXTERIOR VIDEO SURVEILLANCE CAMERA. CONDUIT SHALL TERMINATE TO INTERIOR ACCESSIBLE CEILING INSIDE BUILDING. CAMERA PROVIDED AND INSTALLED BY PHYSICAL SECURITY CONTRACTOR. MINIMUM MOUNTING HEIGHT OF 10'-0". VERIFY FINAL ELEVATION LOCATION IN FIELD.
2. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) UNSHIELDED TWISTED PAIR CATEGORY SIX CABLE AT EACH VIDEO SURVEILLANCE CAMERA LOCATION.
3. OUTDOOR RATED CABLING SHALL BE USED FOR EXTERIOR CAMERAS.
4. CAMERA RANGES ARE AS PER MANUFACTURER'S SPECIFICATIONS
 - 4.1. AXIS P3367-VE; IR RANGE: 100'; CAPTURE ANGLE: 84°
 - 4.2. HONEYWELL H3D5D 1080P; IR RANGE: 50'; CAPTURE ANGLE: 86°
 - 4.3. HONEYWELL H3D3SR2 3MP; IR RANGE: 50'; CAPTURE ANGLE: 90°
 - 4.4. HONEYWELL H52P6 ELEVATOR; CAPTURE ANGLE: 78°
 - 4.5. AXIS P3365-V CLASSROOM; IR RANGE: 100'; CAPTURE ANGLE: 100°

PHYSICAL SECURITY SYMBOL LEGEND

①	AXIS P3367-VE OUTDOOR DOME IP CAMERA
②	HONEYWELL H3D5D 1080P INDOOR MINIDOME IP CAMERA
③	HONEYWELL H3D3SR2 3MP INDOOR MINIDOME IP CAMERA
④	HONEYWELL H52P6 ELEVATOR INDOOR MICRO DOME IP CAMERA
⑤	AXIS P3365-V CLASSROOM DOME IP CAMERA
GB	FLEXGUARD FG-1625SN GLASS BREAK
M	HONEYWELL D17500SN LONG RANGE MOTION DETECTOR
M ²	HONEYWELL 15-280CM 360° MOTION DETECTOR
DP	V-PLEX 4191SN-WH DOOR POSITION CONTACT
DC	W11 WIEGAND DOOR CONTACT (P & I BY GC)
S	HONEYWELL WAVE 4 2-TONE SIREN
CP	HONEYWELL VISTA-1288PT CONTROL PANEL W/ N5873V4PE ENCLOSURE
TS	HONEYWELL 7" TUXEDO TUXMFIW TOUCH KEYPAD
HS	HONEYWELL 269R HOLD-UP SWITCH
G	GSM I65MV4G COMMUNICATOR
CR	HONEYWELL HID RP40 CARD READER
ML	INDOOR/ OUTDOOR MAGLOCK SYSTEM
P	PUSH BUTTON REQUEST TO EXIT
PIR	PIR MOTION REQUEST TO EXIT
A	DOOR TYPE; WHERE "A" REPRESENTS DOOR TYPE BASED ON ELEVATIONS (REFER TO IT-400/ #1)



1
**PHYSICAL SECURITY
 PENTHOUSE FLOOR PLAN**
 SCALE: 1/8" = 1'-0"

NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE GANG BOX WITH 1" CONDUIT FOR EACH EXTERIOR VIDEO SURVEILLANCE CAMERA. CONDUIT SHALL TERMINATE TO INTERIOR ACCESSIBLE CEILING INSIDE BUILDING. CAMERA PROVIDED AND INSTALLED BY PHYSICAL SECURITY CONTRACTOR. MINIMUM MOUNTING HEIGHT OF 10'-0". VERIFY FINAL ELEVATION LOCATION IN FIELD.
2. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) UNSHIELDED TWISTED PAIR CATEGORY SIX CABLE AT EACH VIDEO SURVEILLANCE CAMERA LOCATION.
3. OUTDOOR RATED CABLING SHALL BE USED FOR EXTERIOR CAMERAS.
4. CAMERA RANGES ARE AS PER MANUFACTURER'S SPECIFICATIONS
 - 4.1. AXIS P3367-VE; IR RANGE: 100'; CAPTURE ANGLE: 84°
 - 4.2. HONEYWELL H3D5D 1080P; IR RANGE: 50'; CAPTURE ANGLE: 86°
 - 4.3. HONEYWELL H3D3SR2 3MP; IR RANGE: 50'; CAPTURE ANGLE: 90°
 - 4.4. HONEYWELL H52P6 ELEVATOR; CAPTURE ANGLE: 78°
 - 4.5. AXIS P3365-V CLASSROOM; IR RANGE: 100'; CAPTURE ANGLE: 100°

PHYSICAL SECURITY SYMBOL LEGEND

①	AXIS P3367-VE OUTDOOR DOME IP CAMERA
②	HONEYWELL H3D5D 1080P INDOOR MINIDOME IP CAMERA
③	HONEYWELL H3D3SR2 3MP INDOOR MINIDOME IP CAMERA
④	HONEYWELL H52P6 ELEVATOR INDOOR MICRO DOME IP CAMERA
⑤	AXIS P3365-V CLASSROOM DOME IP CAMERA
GB	FLEXGUARD FG-1625SN GLASS BREAK
M	HONEYWELL DT7500SN LONG RANGE MOTION DETECTOR
M ²	HONEYWELL 15-280CM 360° MOTION DETECTOR
DP	V-PLEX 4191SN-WH DOOR POSITION CONTACT
DC	W11 WIEGAND DOOR CONTACT (P & I BY GC)
S	HONEYWELL WAVE 4 2-TONE SIREN
CP	HONEYWELL VISTA-1288PT CONTROL PANEL W/ N5873V4PE ENCLOSURE
TS	HONEYWELL 7" TUXEDO TUXMFIW TOUCH KEYPAD
HS	HONEYWELL 269R HOLD-UP SWITCH
G	GSM IG5MV4G COMMUNICATOR
CR	HONEYWELL HID RP40 CARD READER
ML	INDOOR/ OUTDOOR MAGLOCK SYSTEM
P	PUSH BUTTON REQUEST TO EXIT
PIR	PIR MOTION REQUEST TO EXIT
A	DOOR TYPE; WHERE "A" REPRESENTS DOOR TYPE BASED ON ELEVATIONS (REFER TO IT-400/ #1)



111 Project Number:
 3835

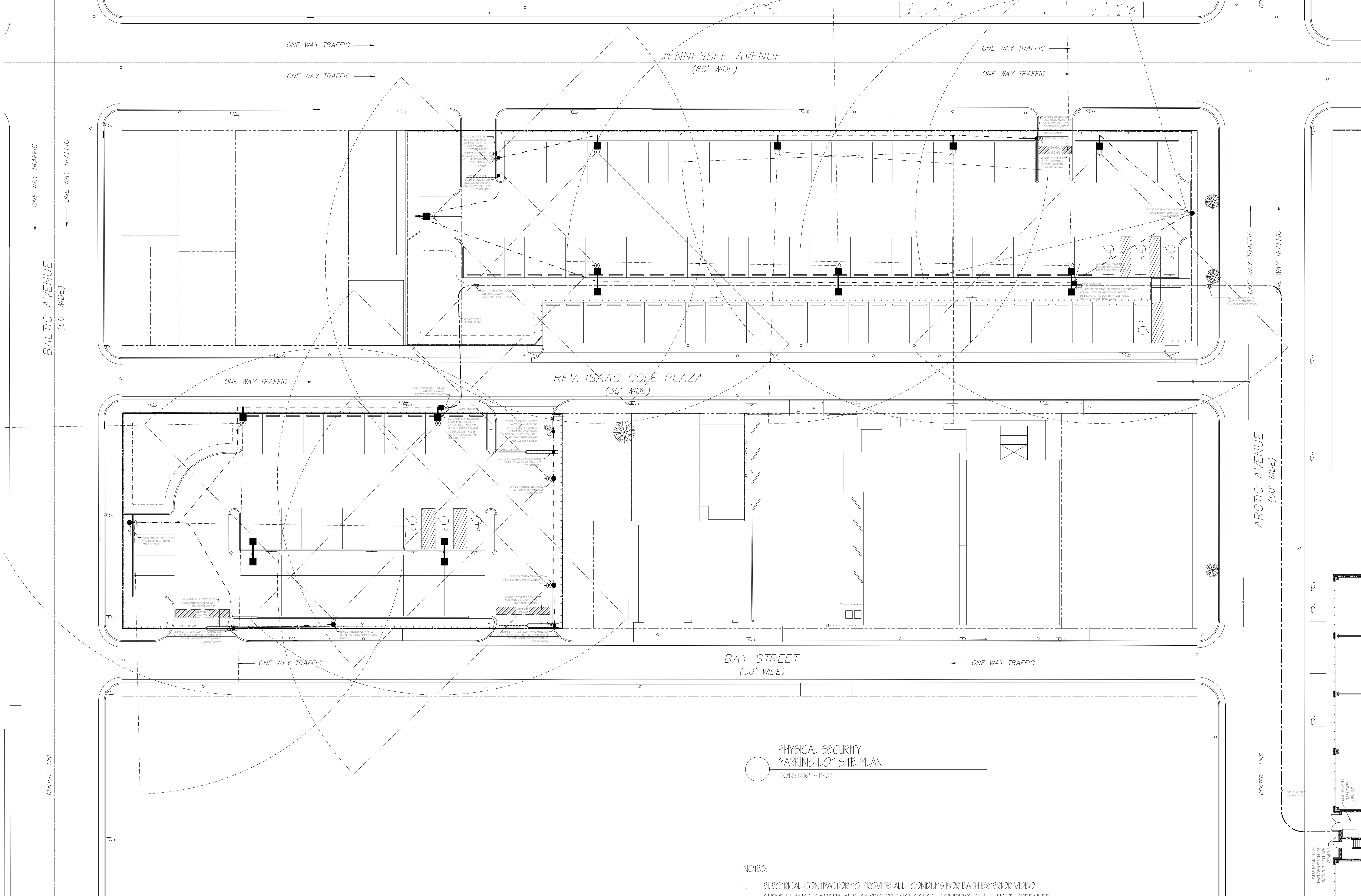
**Gateway Community Action Partnership
 Head Start Early Education Center**
 1453 BACHLOR BOULEVARD
 ATLANTIC CITY, NEW JERSEY
 08403-293, USA

Project Name:
GATEWAY HEAD START
 Project #: 227-315.00 Issue Date: 5/28/2015

Drawn By: AMR Checked By: JWD
 DRAWING TITLE:
 PHYSICAL SECURITY
 PENTHOUSE
 FLOOR PLAN

DRAWING:
 11-404

BID SET - MAY 28, 2015



1
**PHYSICAL SECURITY
 PARKING LOT SITE PLAN**
 SCALE: 1/16" = 1'-0"

NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUITS FOR EACH EXTERIOR VIDEO SURVEILLANCE CAMERA AND OUTDOOR ENCLOSURE. CONDUITS SHALL HAVE GREEN/LEE CONDUIT MEASURING TAPE (3/16") AS PULL STRINGS. CONDUIT SHALL TERMINATE TO INTERIOR ACCESSIBLE CEILING INSIDE MAIN BUILDING AS NOTED.
2. CAMERA PROVIDED AND INSTALLED BY PHYSICAL SECURITY CONTRACTOR. MINIMUM MOUNTING HEIGHT OF 12'-0". VERIFY FINAL ELEVATION LOCATION IN FIELD.
3. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) UNSHIELDED TWISTED PAIR CATEGORY SIX CABLE AT EACH VIDEO SURVEILLANCE CAMERA LOCATION.
4. SUPERIOR ESSEX CAT6 77-246-E1 OUTDOOR RATED SUNLIGHT RESISTANT CABLING SHALL BE USED FOR EXTERIOR CAMERAS.
5. CAMERA RANGES ARE AS PER MANUFACTURER'S SPECIFICATIONS
- 5.1. PELCO IMP519-IEP 5MP; IR RANGE: 120'; CAPTURE ANGLE: 88°

PHYSICAL SECURITY SYMBOL LEGEND	
	PELCO EMP519-IEP 5MP OUTDOOR DOME PENDANT IP CAMERA
	HONEYWELL HID RPK40 CARD READER
	DDB OD-30DXC 15RU OUTDOOR ENCLOSURE @ 12' A.F.F.
	20'H SECURITY CAMERA POLE TO MATCH ARCHITECT'S LIGHT POLE
	4" OUTDOOR FIBER CONDUIT PATH FROM MAIN BUILDING
	1" OUTDOOR COPPER CABLING CONDUIT FROM LOCAL OD-30DXC ENCLOSURE

BID SET - MAY 28, 2015

198 US Highway 9 North
 Suite 102
 Manalapan, NJ 07726
 V. 732.414.4500
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IT Project Number:
 3835

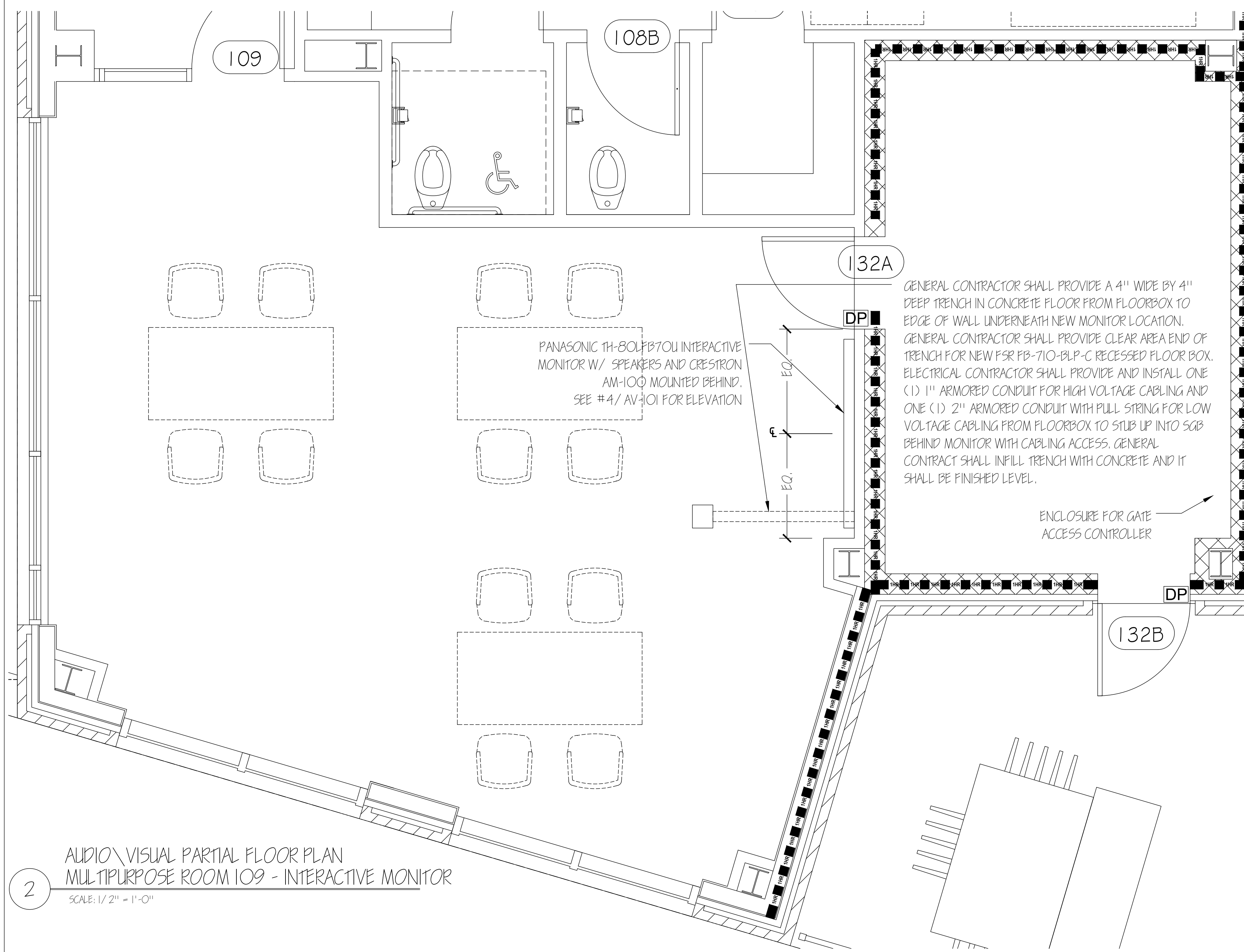
**Gateway Community Action Partnership
 Head Start Early Education Center**
 143 BINGHAM ROAD, SUITE 100
 ATLANTIC CITY, NEW JERSEY
 Block 293, Lot 1

Project Name:
GATEWAY HEAD START
 Project #:
 227-315.00
 Issue Date:
 5/28/2015
 Drawn By:
 AMK
 Checked By:
 JND

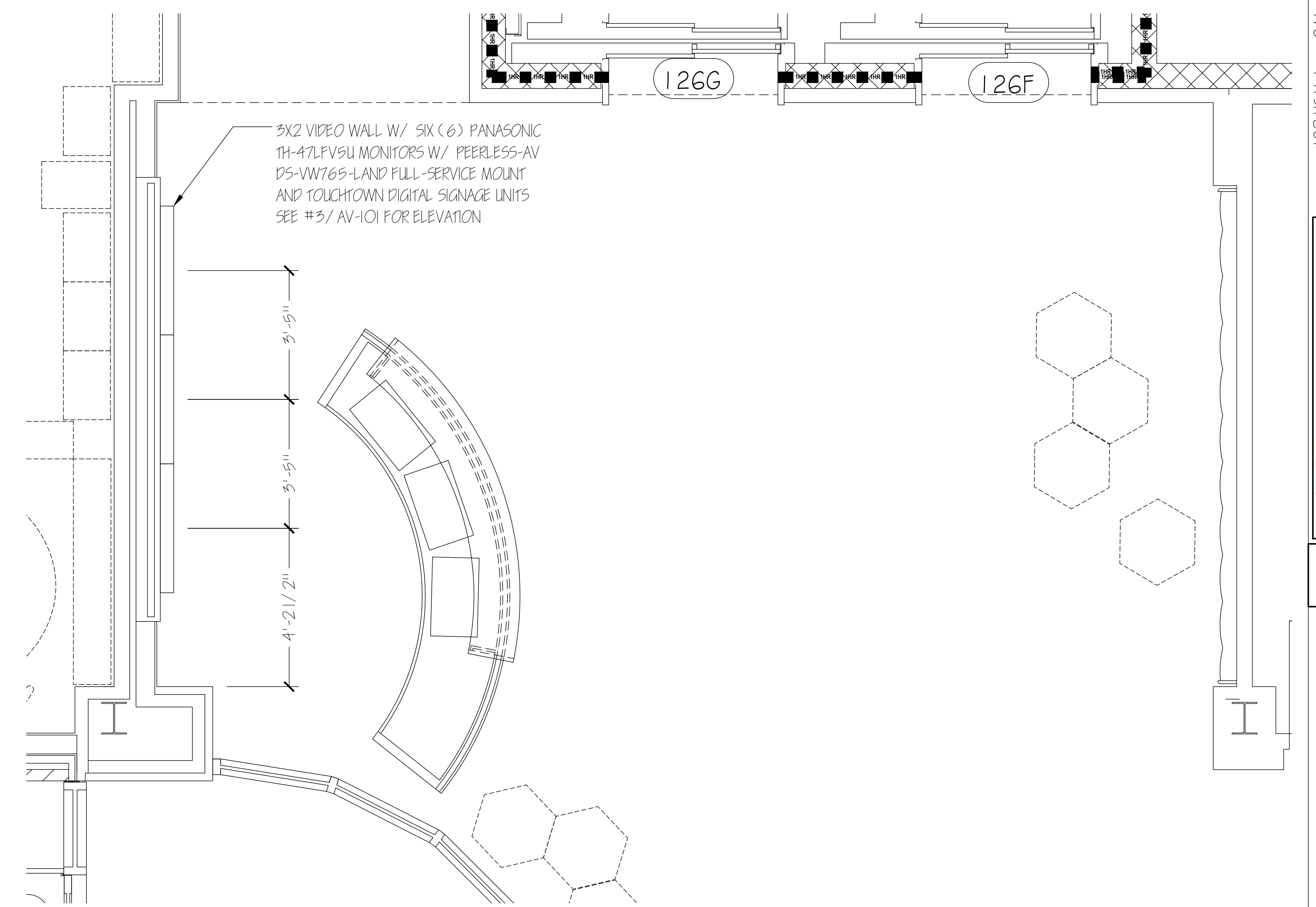
DRAWING TITLE:
 PHYSICAL SECURITY
 PARKING LOT
 SITE PLAN

DRAWING:

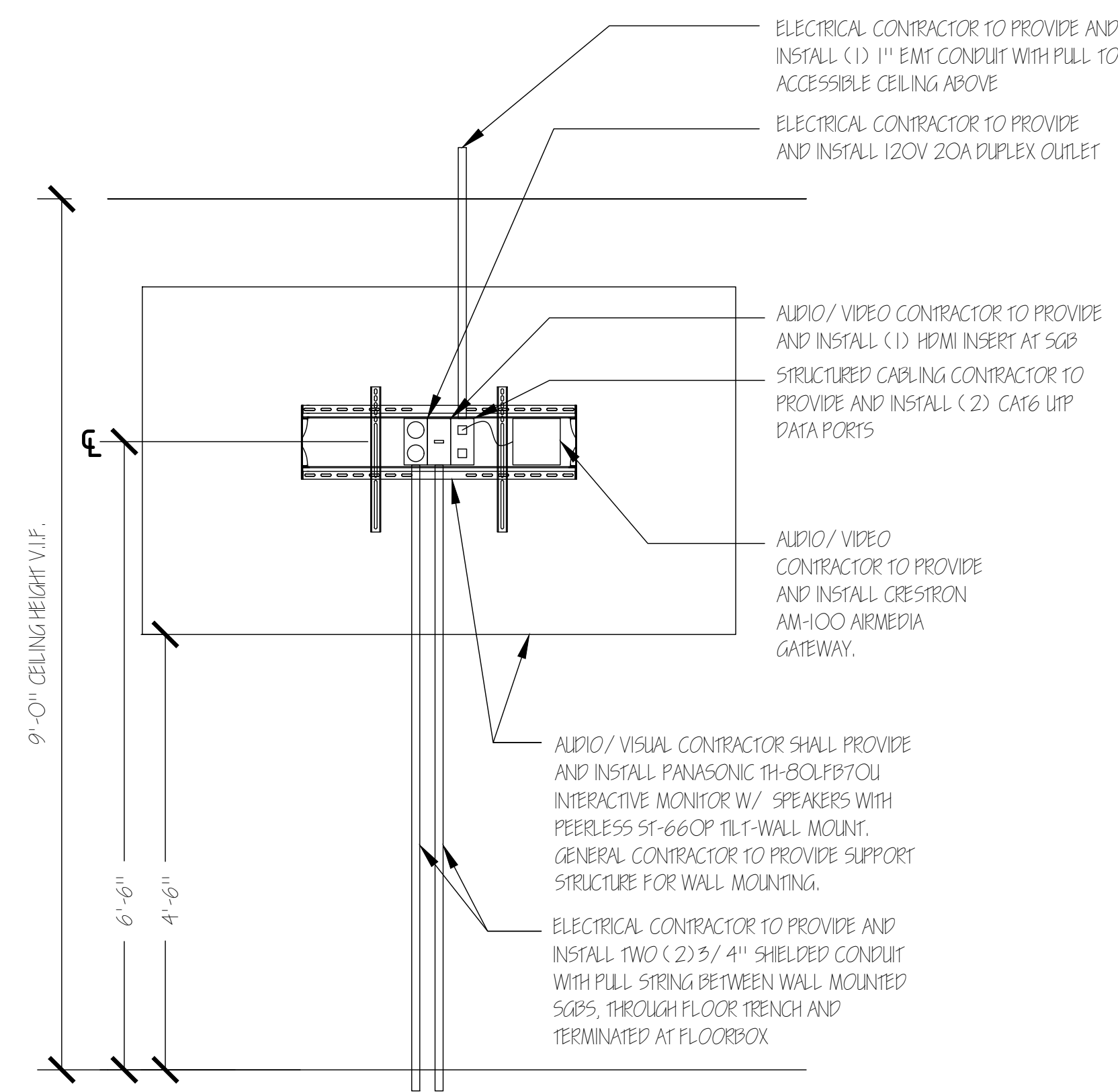
IT-405



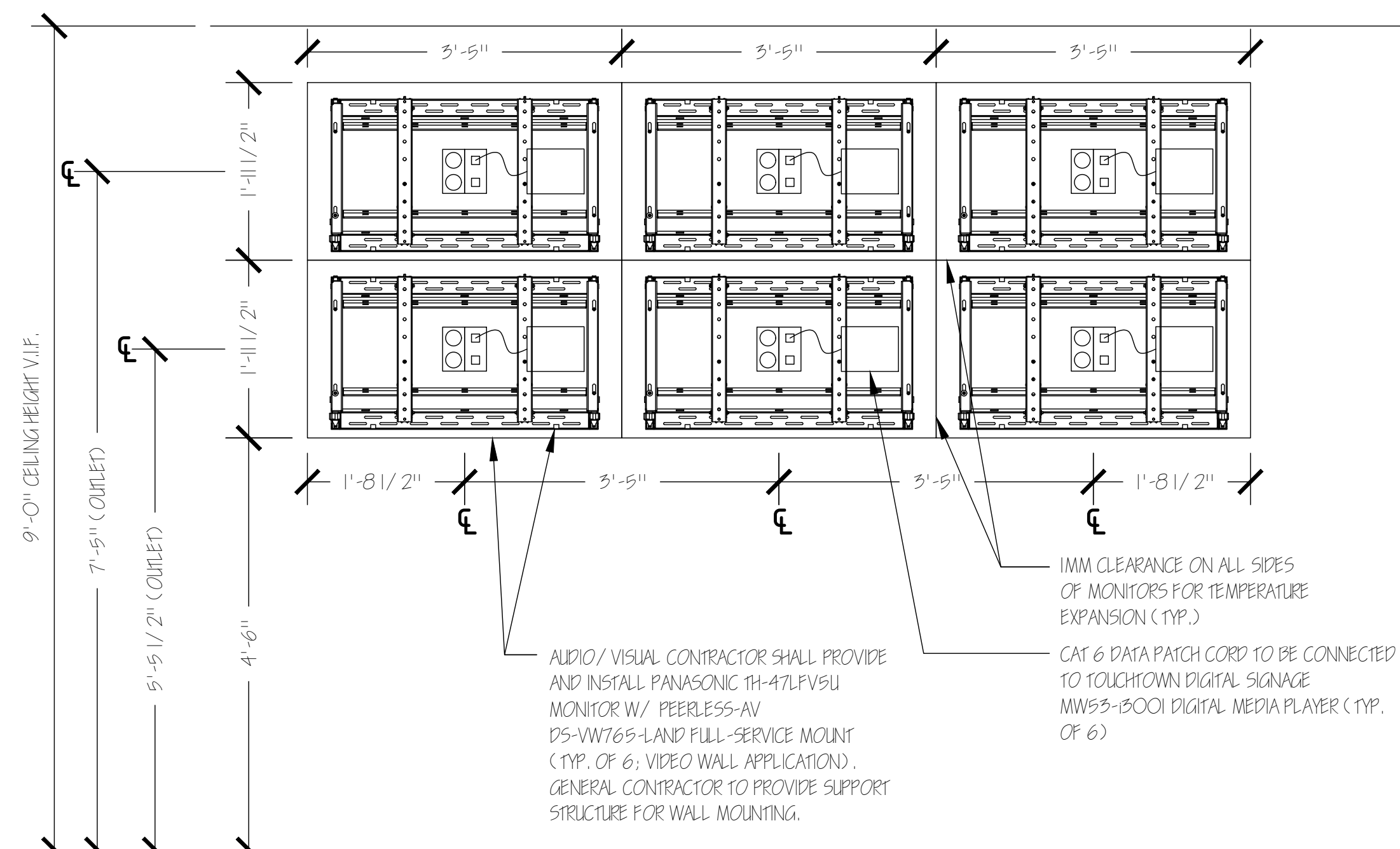
2 AUDIO \ VISUAL PARTIAL FLOOR PLAN
MULTIPURPOSE ROOM 109 - INTERACTIVE MONITOR
SCALE: 1/2" = 1'-0"



1 AUDIO \ VISUAL PARTIAL FLOOR PLAN
LOBBY 126 - VIDEO WALL
SCALE: 1/2" = 1'-0"



4 AUDIO \ VISUAL DETAIL ELEVATION
MULTIPURPOSE ROOM 109 - INTERACTIVE MONITOR
SCALE: 3/4" = 1'-0"
NOTE:
ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL LOW VOLTAGE SCB LOCATIONS FOR AUDIO / VISUAL AND STRUCTURED CABLING USE.



3 AUDIO \ VISUAL DETAIL ELEVATION
LOBBY 126 - VIDEO WALL
SCALE: 3/4" = 1'-0"
NOTE:
ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL LOW VOLTAGE SCB LOCATIONS FOR AUDIO / VISUAL AND STRUCTURED CABLING USE.

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111 Project Number:
3835

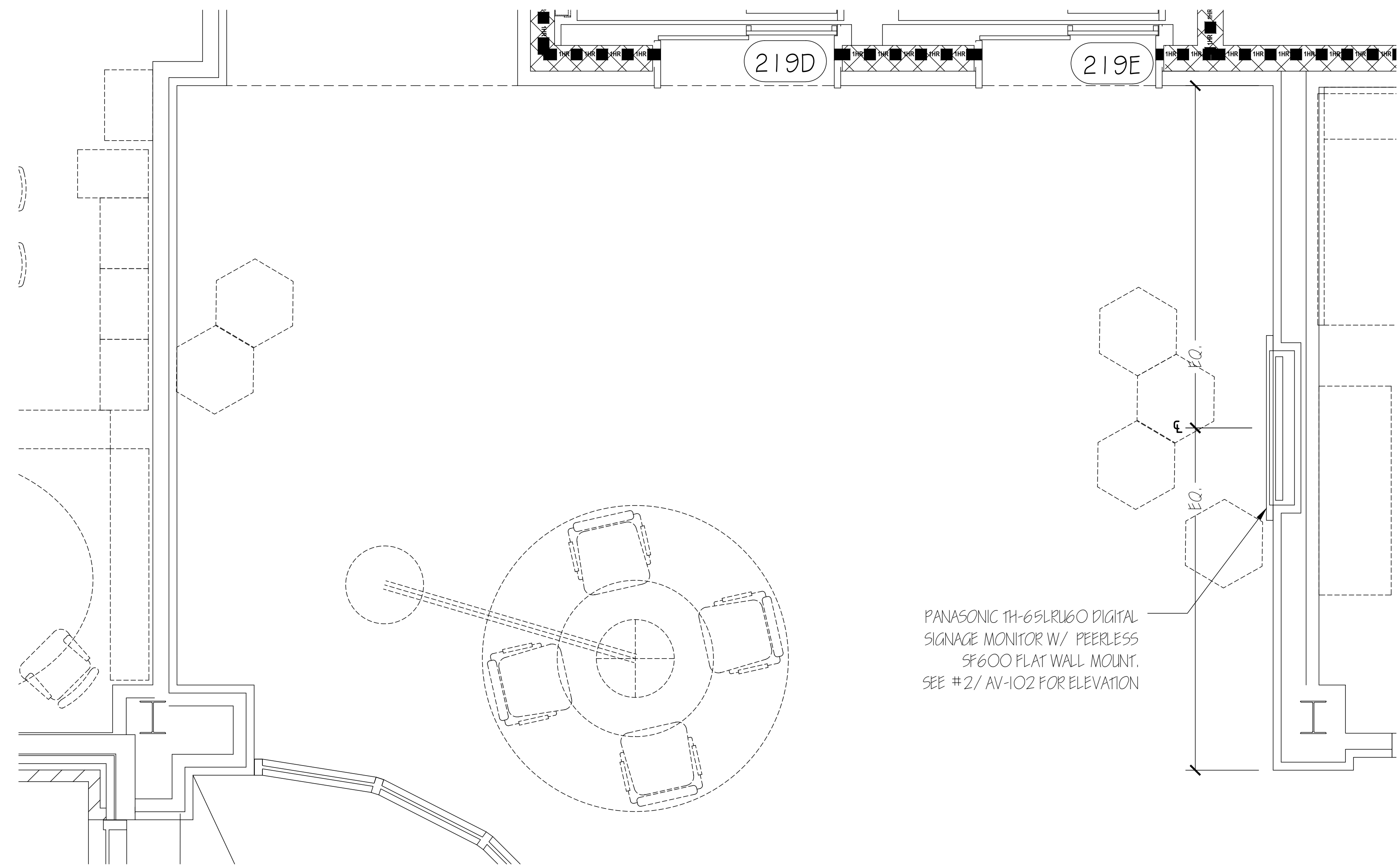
Gateway Community Action Partnership
Head Start Early Education Center
1483 BACHMACH BOULEVARD
ATLANTIC CITY, NEW JERSEY
08402-204, USA

Project Name:
GATEWAY HEAD START
Project #: 227-315.00 Issue Date: 5/28/2015
Drawn By: AMR Checked By: JWD

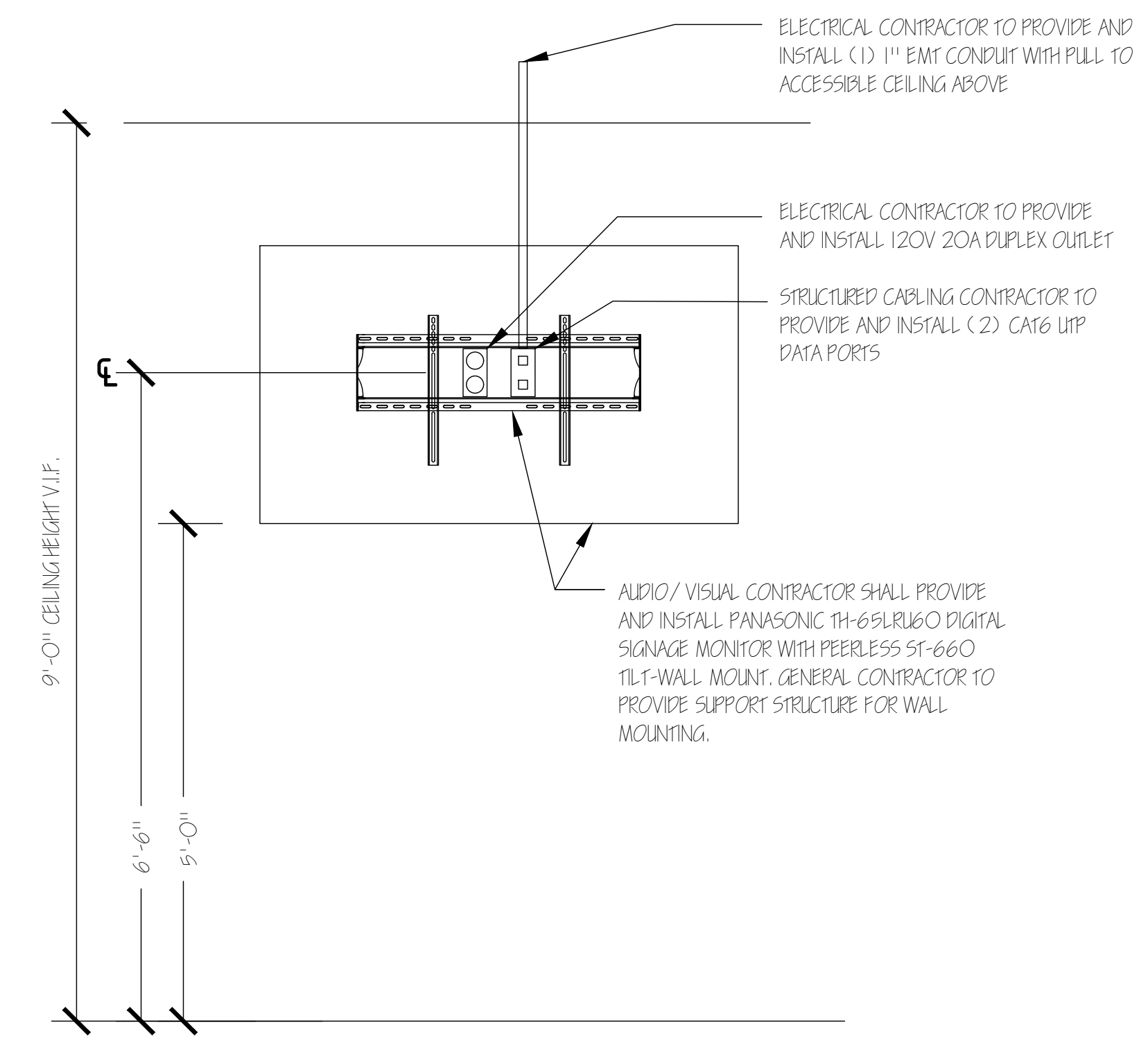
DRAWING TITLE:
AUDIO \ VISUAL
FIRST FLOOR PLAN
& DETAILS

DRAWING:
AV-101

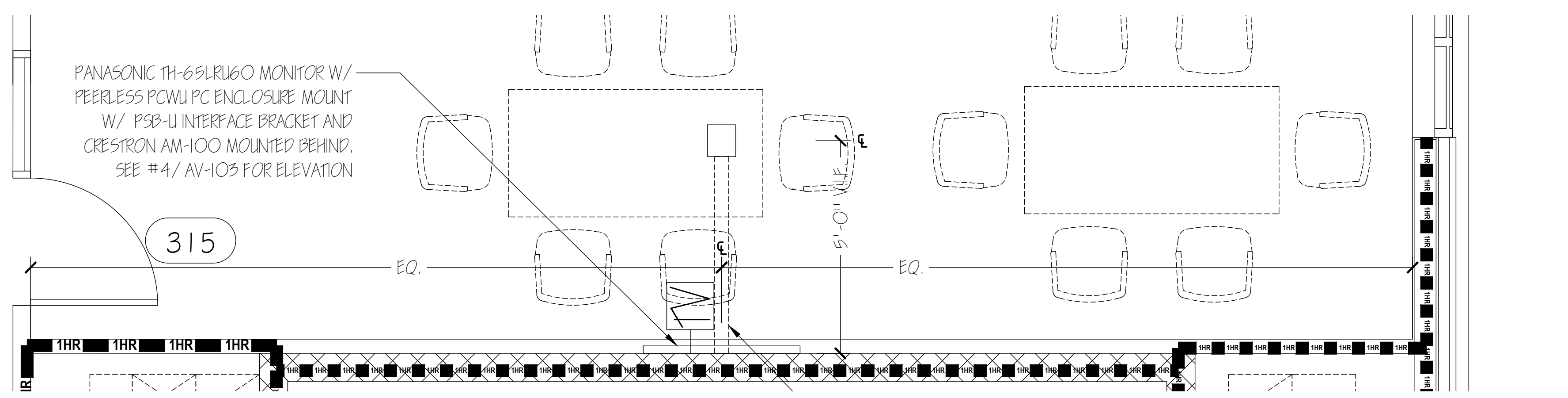
BID SET - MAY 28, 2015



1
AUDIO VISUAL PARTIAL FLOOR PLAN
LOBBY 219 - DIGITAL SIGNAGE
SCALE: 1/2" = 1'-0"

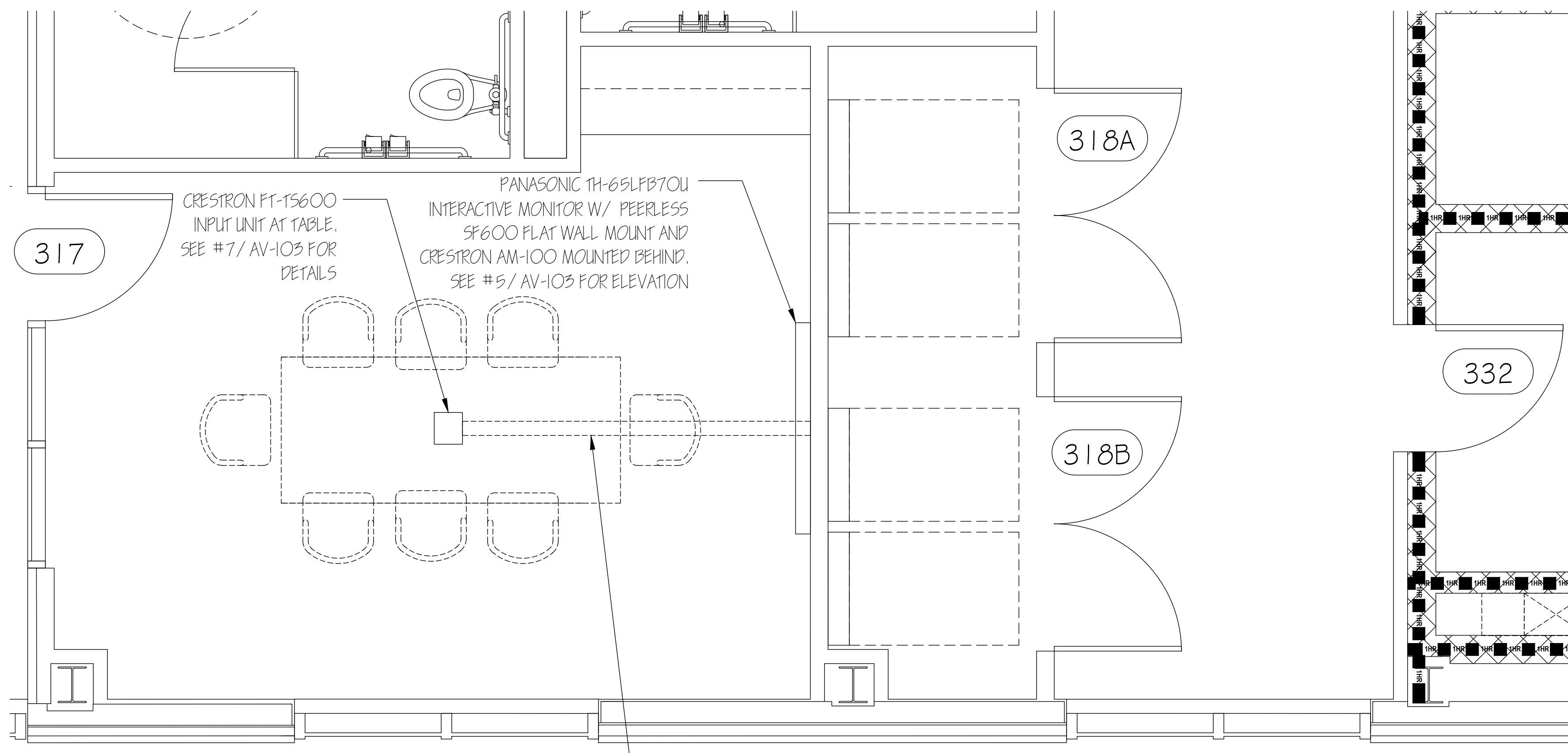


2
AUDIO VISUAL DETAIL ELEVATION
LOBBY 219 - DIGITAL SIGNAGE
SCALE: 3/4" = 1'-0"
NOTE:
ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL LOW VOLTAGE SCB LOCATIONS FOR AUDIO / VISUAL AND STRUCTURED CABLING USE.



3 AUDIO \ VISUAL PARTIAL FLOOR PLAN
BREAK ROOM 315 - DISPLAY MONITOR

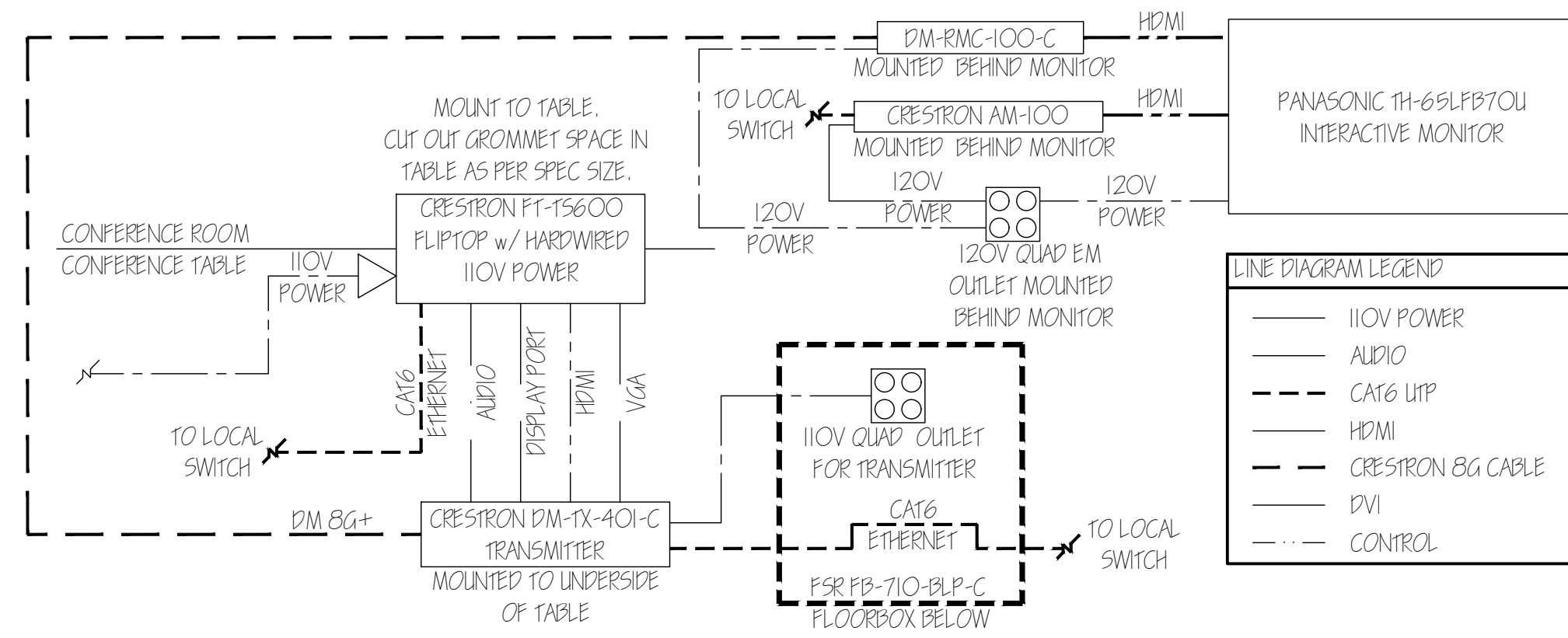
SCALE: 1/2" = 1'-0"



2 AUDIO \ VISUAL PARTIAL FLOOR PLAN
CONFERENCE ROOM 317 - INTERACTIVE MONITOR

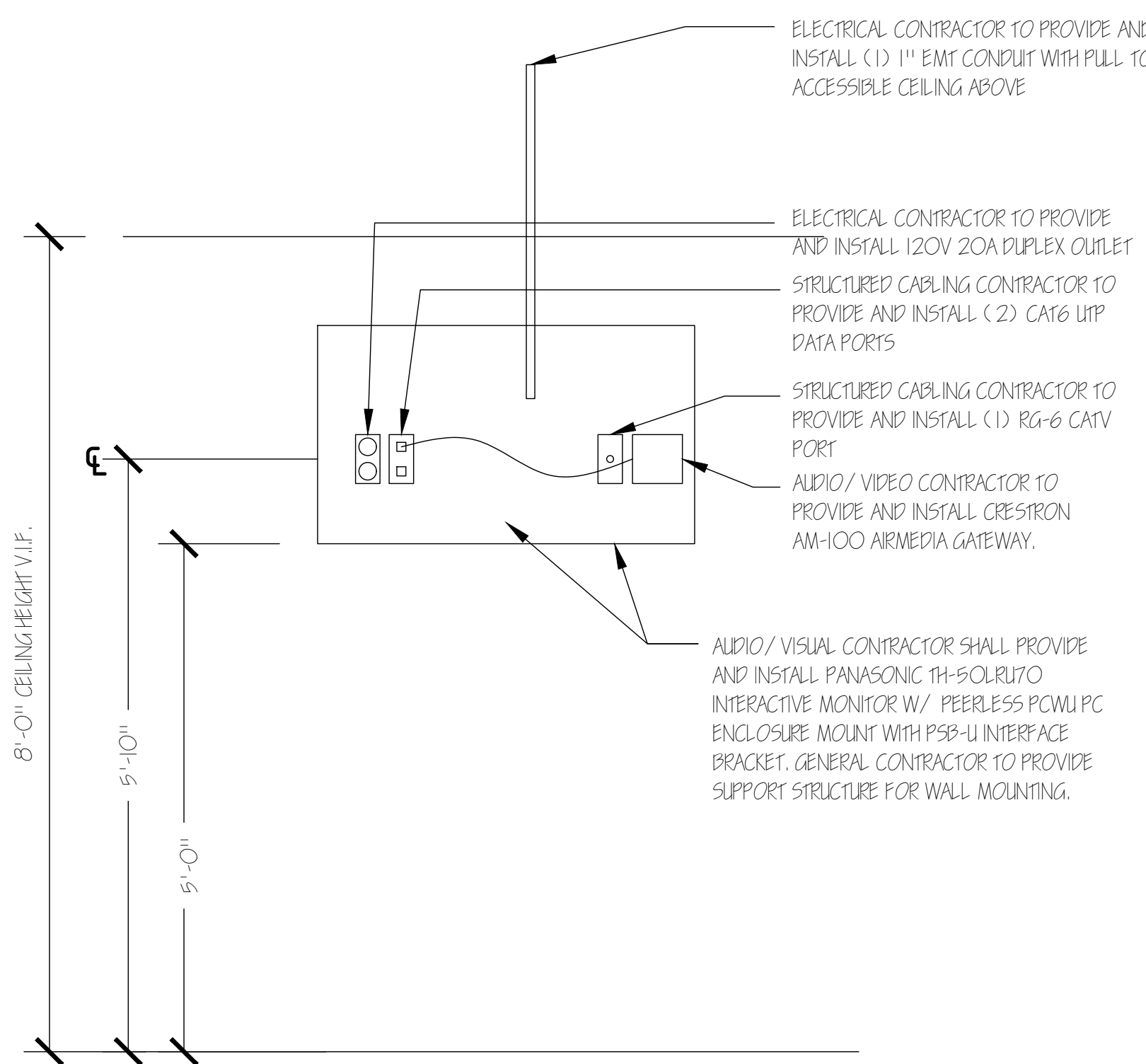
SCALE: 1/2" = 1'-0"

GENERAL CONTRACTOR SHALL PROVIDE A 4" WIDE BY 4" DEEP TRENCH IN CONCRETE FLOOR FROM FLOORBOX TO EDGE OF WALL UNDERNEATH NEW MONITOR LOCATION. GENERAL CONTRACTOR SHALL PROVIDE CLEAR AREA END OF TRENCH FOR NEW FSR FB-710-BLP-C RECESSED FLOOR BOX. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) 1" ARMORED CONDUIT FOR HIGH VOLTAGE CABLING AND ONE (1) 2" ARMORED CONDUIT WITH PULL STRING FOR LOW VOLTAGE CABLING FROM FLOORBOX TO STUB UP INTO SCB BEHIND MONITOR WITH CABLING ACCESS. GENERAL CONTRACTOR SHALL INFILL TRENCH WITH CONCRETE AND IT SHALL BE FINISHED LEVEL.



7 AUDIO \ VISUAL DETAIL
CONFERENCE ROOM 317 - INPUT CONTROL

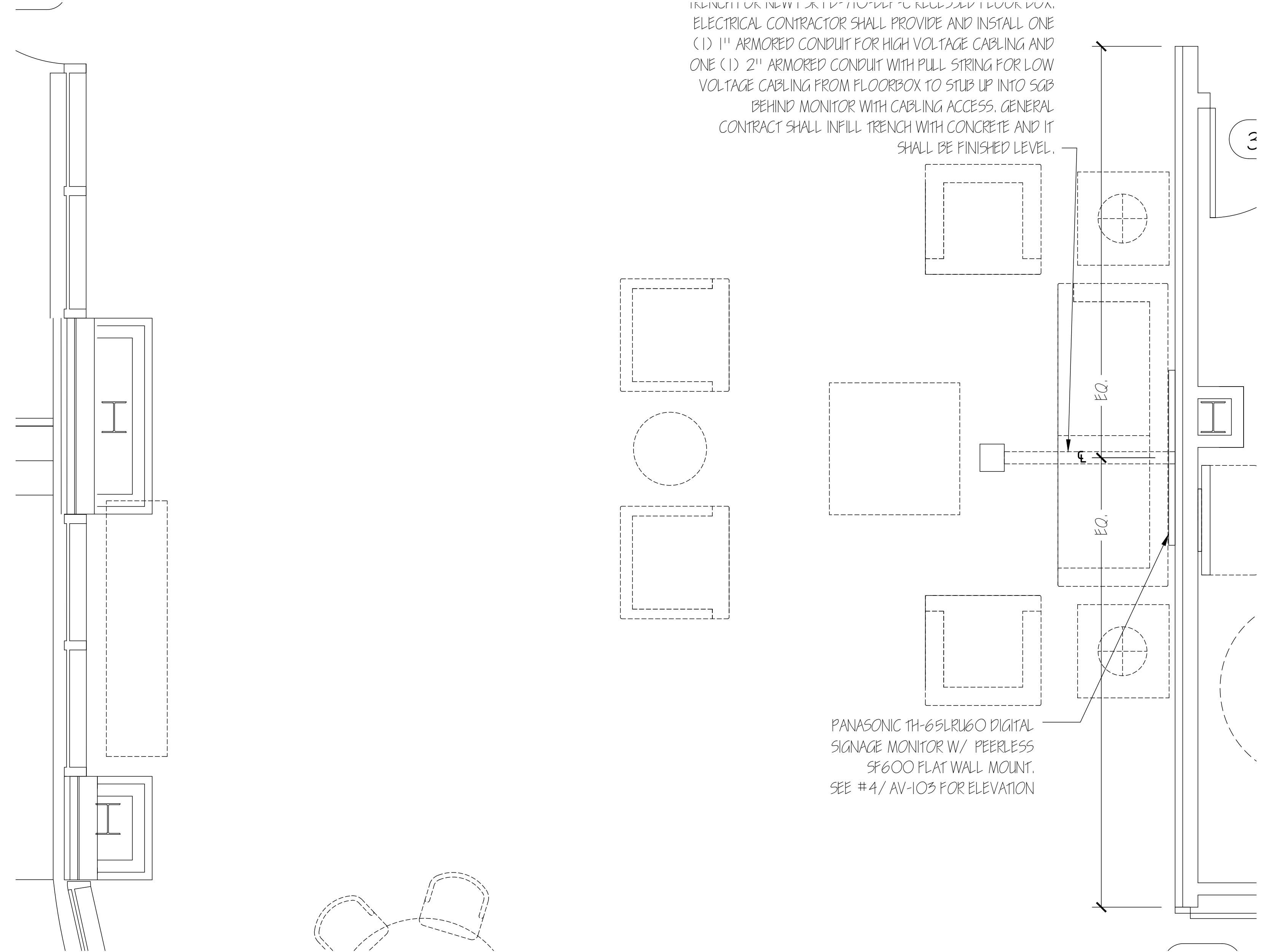
SCALE: 3/4" = 1'-0"



6 AUDIO \ VISUAL DETAIL ELEVATION
BREAK ROOM 315 - DISPLAY MONITOR

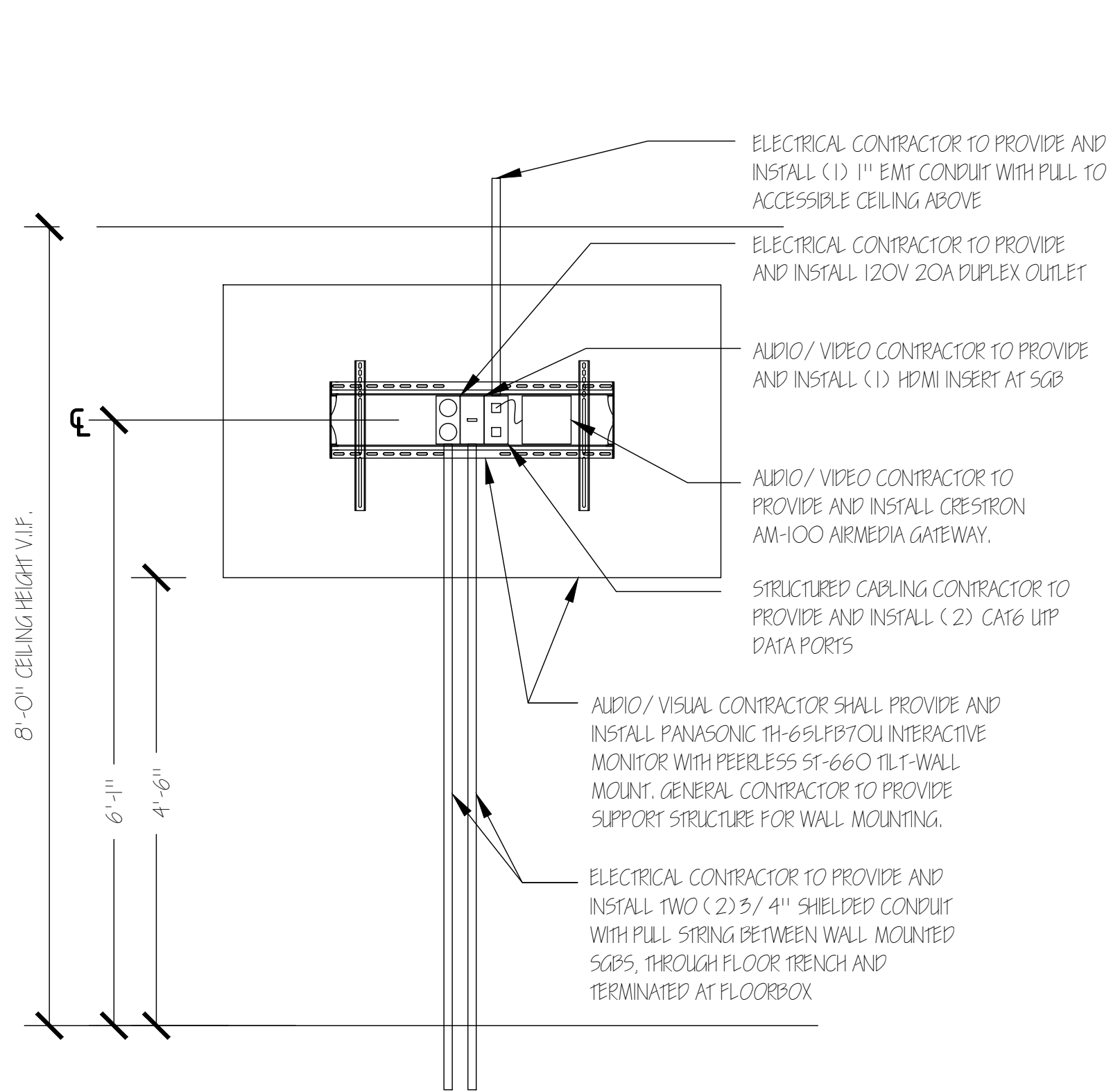
SCALE: 3/4" = 1'-0"

NOTE:
ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL LOW VOLTAGE SCB LOCATIONS FOR AUDIO / VISUAL AND STRUCTURED CABLING USE.



1 AUDIO \ VISUAL PARTIAL FLOOR PLAN
LOBBY 327 - DIGITAL SIGNAGE

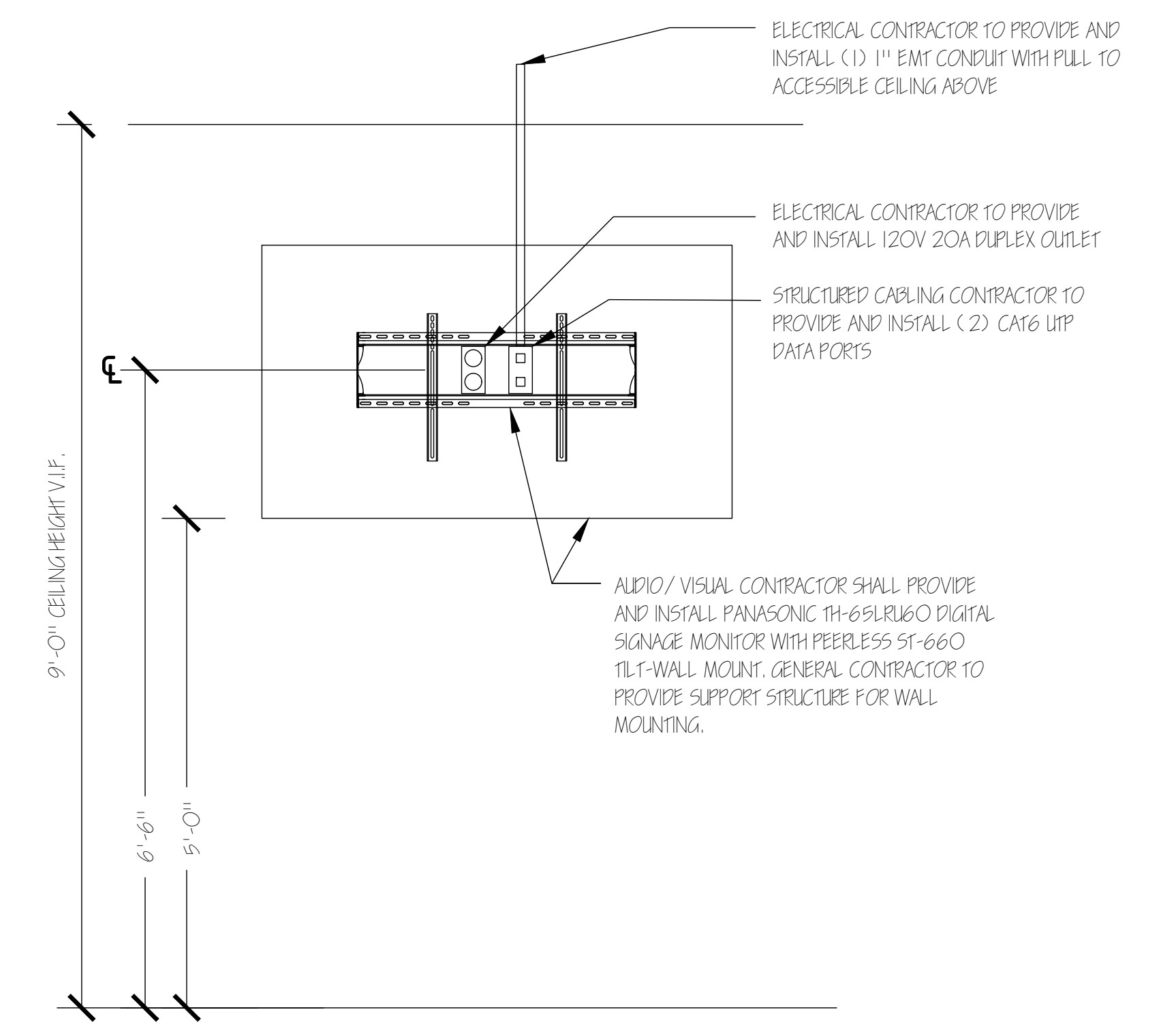
SCALE: 1/2" = 1'-0"



5 AUDIO \ VISUAL DETAIL ELEVATION
CONFERENCE ROOM 317 - INTERACTIVE MONITOR

SCALE: 3/4" = 1'-0"

NOTE:
ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL LOW VOLTAGE SCB LOCATIONS FOR AUDIO / VISUAL AND STRUCTURED CABLING USE.



4 AUDIO \ VISUAL DETAIL ELEVATION
LOBBY 327 - DIGITAL SIGNAGE

SCALE: 3/4" = 1'-0"

NOTE:
ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL LOW VOLTAGE SCB LOCATIONS FOR AUDIO / VISUAL AND STRUCTURED CABLING USE.

IN REVISION OR NEW WORK TO BE INSTALLED TO ACCOMMODATE THIS WORK. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) 1" ARMORED CONDUIT FOR HIGH VOLTAGE CABLING AND ONE (1) 2" ARMORED CONDUIT WITH PULL STRING FOR LOW VOLTAGE CABLING FROM FLOORBOX TO STUB UP INTO SCB BEHIND MONITOR WITH CABLING ACCESS. GENERAL CONTRACTOR SHALL INFILL TRENCH WITH CONCRETE AND IT SHALL BE FINISHED LEVEL.

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111 Project Number:
3835

Gateway Community Action Partnership
Head Start Early Education Center
1483 BACHLORUGH BOULEVARD
ATLANTIC CITY, NEW JERSEY
08402-2051, USA

Project Name:
GATEWAY HEAD START
Project #: 227-315.00 Issue Date: 5/28/2015
Drawn By: AMR Checked By: JWD

DRAWING TITLE:
AUDIO \ VISUAL THIRD FLOOR PLAN & DETAILS

DRAWING:

AV-103

BID SET - MAY 28, 2015