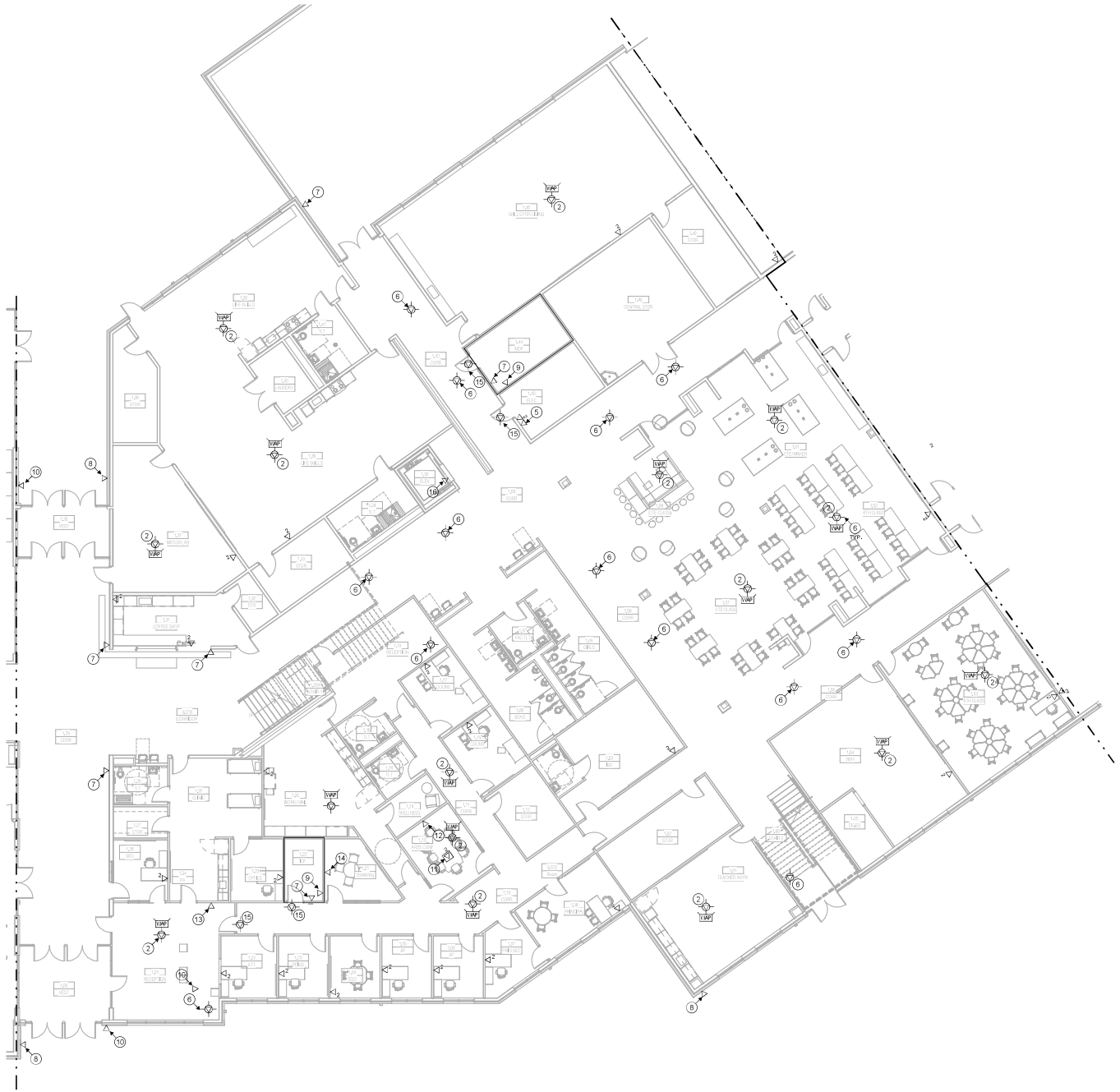

1 T1.01 TECHNOLOGY LEVEL 1 SECTION 1 FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

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6. TECHNOLOGY CABLING SHALL BE ROUTED IN SEPARATE PATHWAYS IN J-HOOKS, CONDUITS, CONDUIT SLEEVES, CORES, ETC. THROUGHOUT THE ENTIRE PATHWAY. DIFFERENT MEDIA TYPES (DATA, VIDEO, SECURITY, ETC.) SHALL NOT SHARE THE SAME J-HOOK, CONDUIT, CONDUIT SLEEVE, CORE, ETC.
7. UNLESS NOTED OTHERWISE, ALL CONDUITS FOR TECHNOLOGY DEVICES SHALL ROUTE FROM THE DEVICE LOCATION AND TERMINATE ABOVE AN ACCESSIBLE CEILING (AN OPEN CEILING OR CLOUD TYPE CEILING IS NOT CONSIDERED AN ACCESSIBLE CEILING) IN THE SAME ROOM WHERE THE DEVICE IS LOCATED. IF THE ROOM WHERE THE DEVICE IS LOCATED DOES NOT HAVE AN ACCESSIBLE CEILING, THE CONDUIT SHALL ROUTE TO THE NEAREST ACCESSIBLE CEILING OFF A MAIN CORRIDOR. CONDUIT PATHWAY SHALL TAKE THE SHORTEST ROUTE TO THE APPLICABLE MDF / IDF ROOM TO MINIMIZE THE CABLE LENGTH ENSURING CABLE LENGTH DOES NOT EXCEED 275 FEET.
8. UNLESS NOTED OTHERWISE ALL CONDUITS SHALL BE HOMERUN FROM THE DEVICE LOCATION AND NO DAISY CHAINING OF DEVICES / ROUGHINS SHALL BE ALLOWED.
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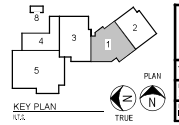

Revision / Date

Project:
NEW MIDDLE SCHOOL
FOR
FREDERICKSBURG ISD
FREDERICKSBURG, TEXAS

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TECHNOLOGY LEVEL 1 - SECTION 1

PACKAGE | VOLUME

Job No. 1051-013-21
Drawn By: Author
Date: Issue Date
Sheet No. T1.01

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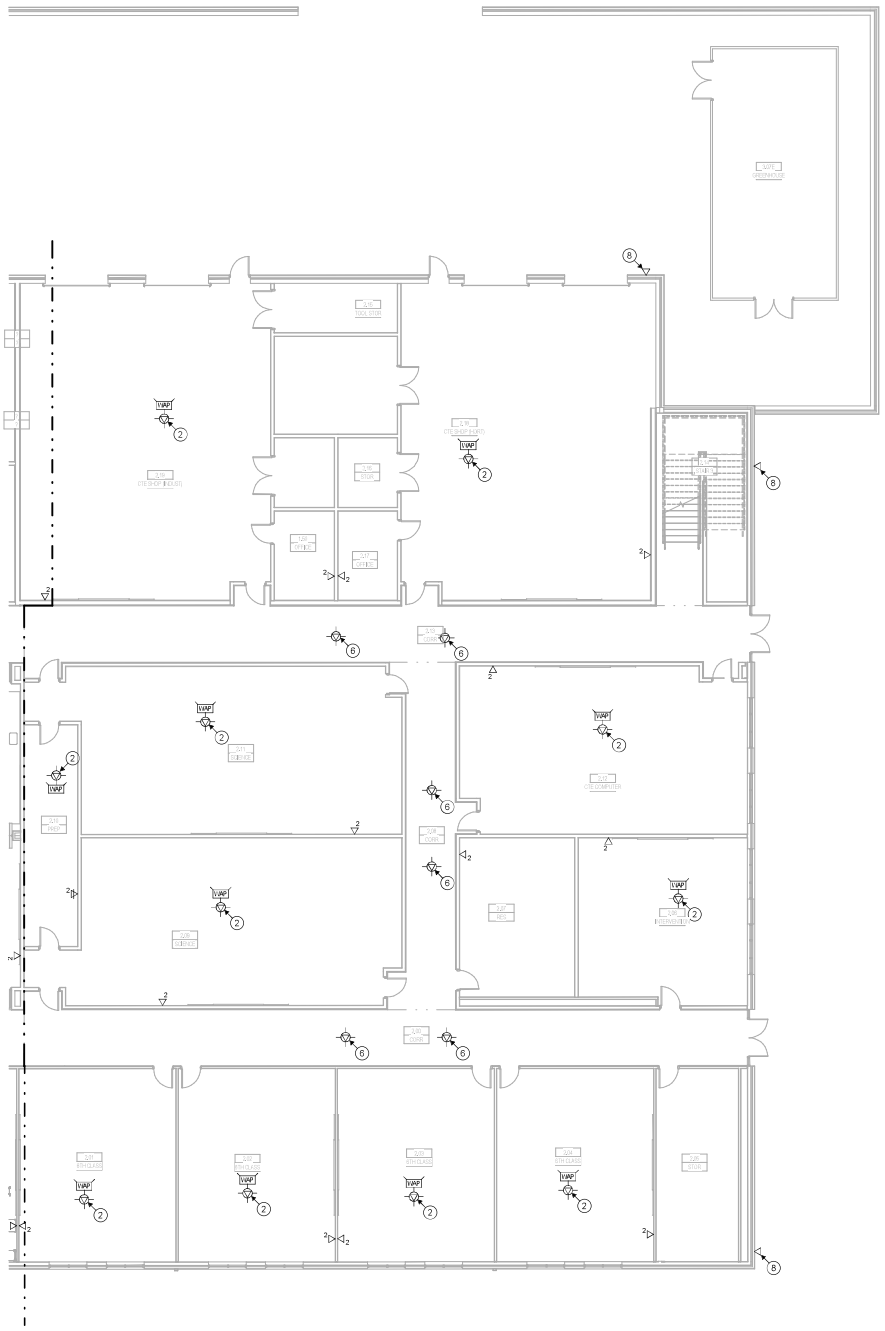

1 T1.02 TECHNOLOGY LEVEL 1 SECTION 2 FLOOR PLAN
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TECHNOLOGY LEVEL 1 - SECTION 2

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Job No. 1951-03-21	Sheet No. T1.02
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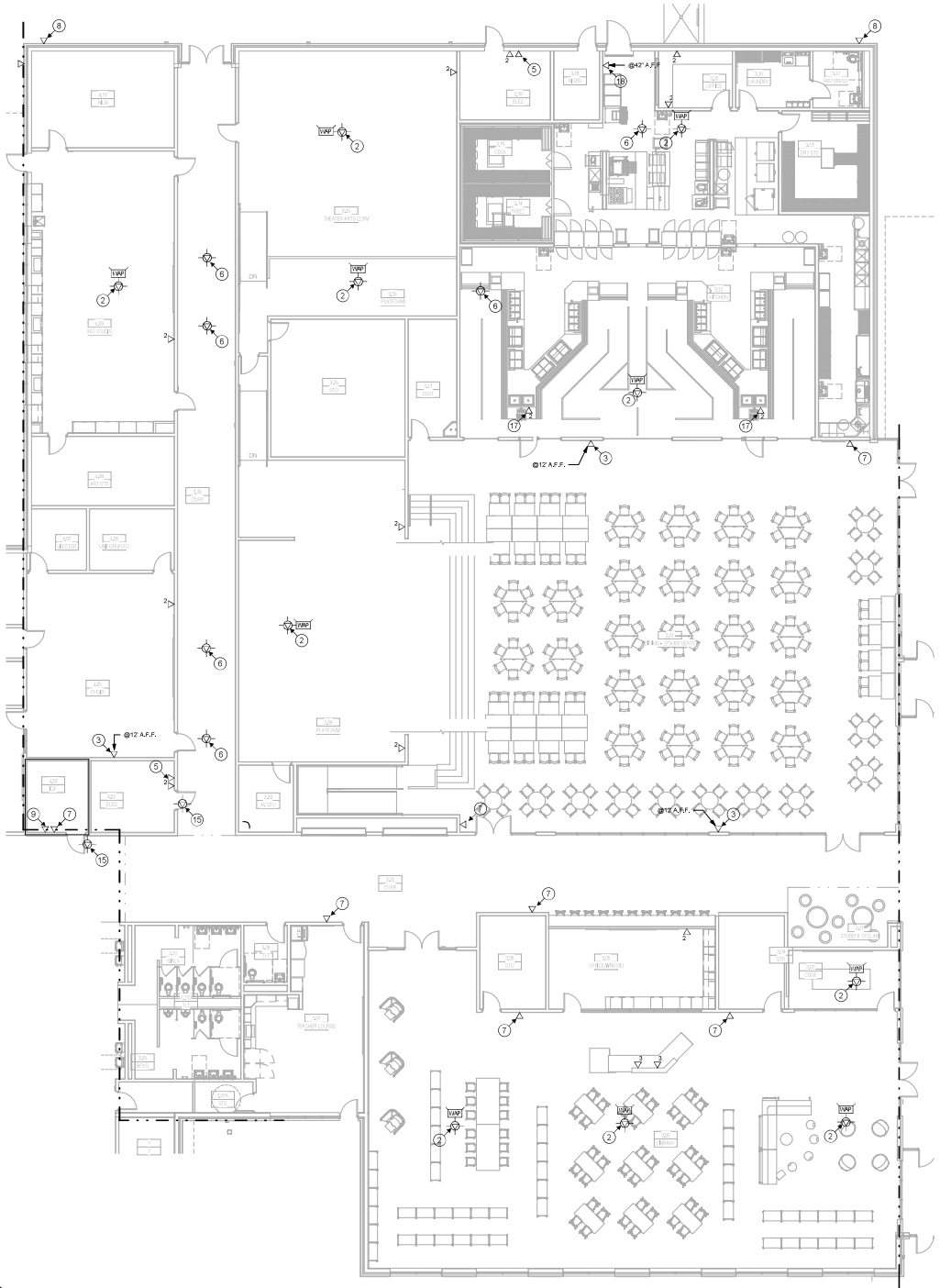

1 / T1.03 TECHNOLOGY LEVEL 1 SECTION 3 FLOOR PLAN
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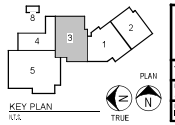
18. DATA CABLE FOR OWNER PROVIDED / OWNER INSTALLED KRONOS CLOCK



Revision / Date

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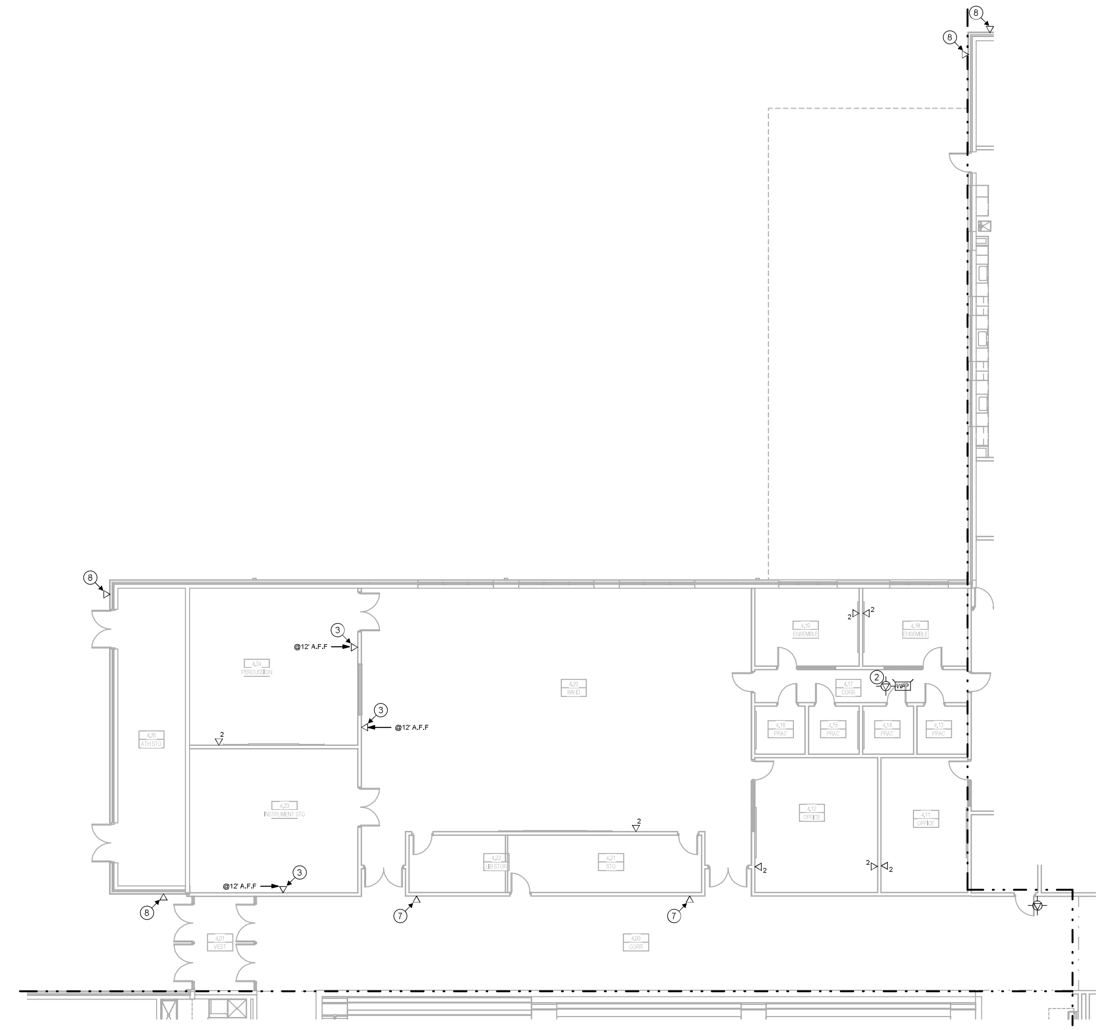
TECHNOLOGY LEVEL 1 - SECTION 3

PACKAGE	VOLUME
Job No. 1951-03-21	Sheet No. T1.03
Drawn By: Author	
Date: Issue Date	



1 T1.04 TECHNOLOGY LEVEL 1 SECTION 4 FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

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7. UNLESS NOTED OTHERWISE, ALL CONDUITS FOR TECHNOLOGY DEVICES SHALL ROUTE FROM THE DEVICE LOCATION AND TERMINATE ABOVE AN ACCESSIBLE CEILING (AN OPEN CEILING OR CLOUD TYPE CEILING IS NOT CONSIDERED AN ACCESSIBLE CEILING) IN THE SAME ROOM WHERE THE DEVICE IS LOCATED. IF THE ROOM WHERE THE DEVICE IS LOCATED DOES NOT HAVE AN ACCESSIBLE CEILING, THE CONDUIT SHALL ROUTE TO THE NEAREST ACCESSIBLE CEILING OFF A MAIN CORRIDOR, CONDUIT PATHWAY SHALL TAKE THE SHORTEST ROUTE TO THE APPLICABLE MDF / IDF ROOM TO MINIMIZE THE CABLE LENGTH ENSURING CABLE LENGTH DOES NOT EXCEED 275 FEET.
8. UNLESS NOTED OTHERWISE ALL CONDUITS SHALL BE HOMERUN FROM THE DEVICE LOCATION AND NO DAISY CHAINING OF DEVICES / ROUGH-INS SHALL BE ALLOWED.
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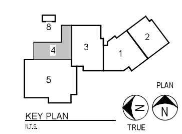

KEY PLAN
N.T.S.

Revision / Date

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FREDERICKSBURG, TEXAS

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TECHNOLOGY LEVEL 1 - SECTION 4

PACKAGE | VOLUME
Job No. 1851-03-01
Drawn By: Author
Date: Issue Date
Sheet No. T1.04

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KEYED NOTES (CONTINUED)

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1 / T1.05 TECHNOLOGY LEVEL 1 SECTION 5 FLOOR PLAN
1/8" = 1'-0"

@12' A.F.F.

KEY PLAN

PLAN TRUE NORTH

Date

Revision /

Project:
NEW MIDDLE SCHOOL
FOR
FREDERICKSBURG ISD
FREDERICKSBURG, TEXAS

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TECHNOLOGY LEVEL 1 - SECTION 5

PACKAGE	VOLUME
Job No. 1905-05-21	Sheet No. T1.05
Drawn By: Author	
Date: Issue Date	

5/17/2022 10:39:08 AM
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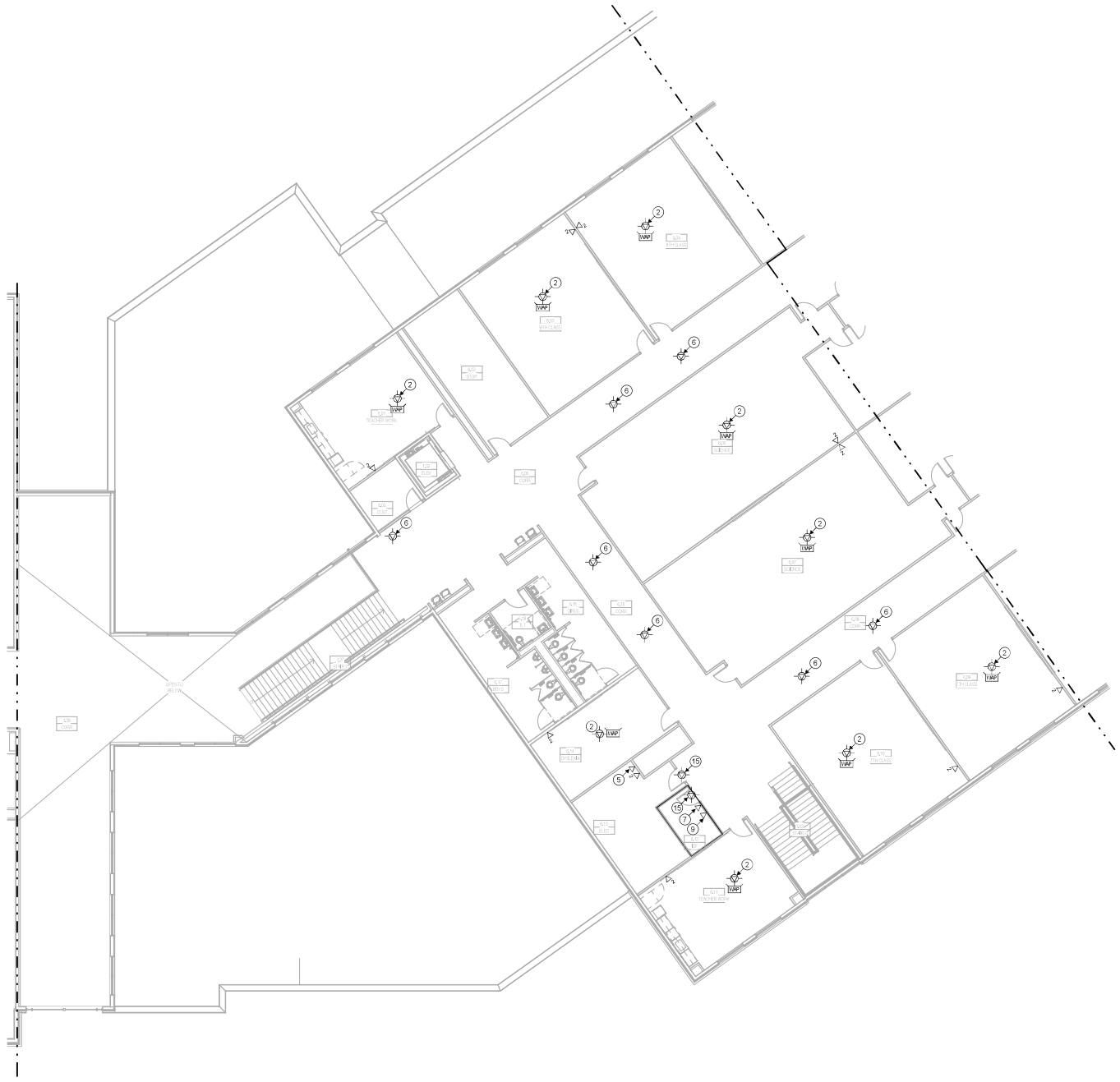

1 TECHNOLOGY LEVEL 2 SECTION 6 FLOOR PLAN
T1.06 1/8" = 1'-0"

GENERAL NOTES

1. THE TECHNOLOGY REGION / WIRING BOUNDARIES ARE IDENTIFIED ON THE OVERALL SHEETS ONLY AND NOT ON THE ENLARGED SHEETS. CONTRACTOR SHALL REFER TO THE OVERALL SHEETS FOR ALL TECHNOLOGY REGIONS / WIRING BOUNDARIES.
2. ALL CONDUIT PATHWAYS, ROUGH-INS, BACKBOXES, FLOOR BOXES, CONDUIT SLEEVES, ETC. INDICATED ON THE TECHNOLOGY DRAWINGS ARE TO BE PROVIDED AND INSTALLED BY DIVISION 26.
3. ALL POWER INDICATED ON THE TECHNOLOGY DRAWINGS IS TO BE PROVIDED AND INSTALLED BY DIVISION 26.
4. CONTRACTOR SHALL RESTORE ALL PENETRATIONS PROVIDED THROUGH FIRE RATED WALLS/STRUCTURES FOR TECHNOLOGY CABLING BACK TO THE ORIGINAL RATING.
5. CONTRACTOR SHALL RESTORE ALL PENETRATIONS PROVIDED THROUGH NON-RATED WALLS/STRUCTURES FOR TECHNOLOGY CABLING FOR SOUND TO REDUCE NOISE TRAVELING THROUGH PENETRATIONS.
6. TECHNOLOGY CABLING SHALL BE ROUTED IN SEPARATE PATHWAYS IN J-HOOKS, CONDUITS, CONDUIT SLEEVES, CORES, ETC. THROUGHOUT THE ENTIRE PATHWAY. DIFFERENT MEDIA TYPES (DATA, VIDEO, SECURITY, ETC.) SHALL NOT SHARE THE SAME J-HOOK, CONDUIT, CONDUIT SLEEVE, CORE, ETC.
7. UNLESS NOTED OTHERWISE, ALL CONDUITS FOR TECHNOLOGY DEVICES SHALL ROUTE FROM THE DEVICE LOCATION AND TERMINATE ABOVE AN ACCESSIBLE CEILING (AN OPEN CEILING OR CLOUD TYPE CEILING IS NOT CONSIDERED AN ACCESSIBLE CEILING) IN THE SAME ROOM WHERE THE DEVICE IS LOCATED. IF THE ROOM WHERE THE DEVICE IS LOCATED DOES NOT HAVE AN ACCESSIBLE CEILING, THE CONDUIT SHALL ROUTE TO THE NEAREST ACCESSIBLE CEILING OFF A MAIN CORRIDOR. CONDUIT PATHWAY SHALL TAKE THE SHORTEST ROUTE TO THE APPLICABLE MDF / IDF ROOM TO MINIMIZE THE CABLE LENGTH ENSURING CABLE LENGTH DOES NOT EXCEED 275 FEET.
8. UNLESS NOTED OTHERWISE ALL CONDUITS SHALL BE HOMERUN FROM THE DEVICE LOCATION AND NO DAISY CHAINING OF DEVICES / ROUGHINS SHALL BE ALLOWED.
9. CONDUIT SEGMENTS SHALL BE NO MORE THAN 100-FEET IN LENGTH WITH NO MORE THAN THE EQUIVALENT OF (2) 90 DEGREE BENDS BETWEEN PULLING POINTS.
10. CONDUITS SHALL MAINTAIN A BEND RADIUS OF 6 TIMES THE DIAMETER OF THE CONDUIT FOR CONDUITS 3-INCHES OR SMALLER AND 10 TIMES THE DIAMETER OF THE CONDUIT FOR CONDUITS GREATER THAN 3-INCHES.
11. ALL CONDUITS SHALL HAVE A PULL STRING INSTALLED FOR PULLING OF CABLE. CLEARLY LABEL AS "PULL STRING" INDICATING OPPOSITE END LOCATION.
12. ALL SPARE CONDUITS OR CONDUITS FILLED WITH LESS THAN THE MAXIMUM ALLOWED FILL RATIO SHALL HAVE A PULL STRING INSTALLED AND LEFT FOR FUTURE PULLING OF CABLE, CLEARLY LABEL AS "PULL STRING" INDICATING OPPOSITE END LOCATION.
13. EQUIPMENT NOT RELATED TO THE SUPPORT OF THE TELECOMMUNICATIONS ROOM (E.G., PIPING, DUCTWORK, PNEUMATIC TUBING) SHALL NOT BE INSTALLED IN, PASS THROUGH, OR ENTER THE TELECOMMUNICATIONS ROOM
14. ALL CONDUITS FOR TECHNOLOGY DEVICES SHALL ROUTE FROM THE DEVICE LOCATION AND TERMINATE ABOVE A LAY-IN TYPE CEILING IN THE SAME ROOM WHERE THE DEVICE IS LOCATED. IF THE ROOM WHERE THE DEVICE IS LOCATED DOES NOT HAVE A LAY-IN TYPE CEILING TO PREVENT THE CABLES FROM BEING EXPOSED, THE CONDUIT SHALL ROUTE TO THE NEAREST LAY-IN TYPE CEILING OFF A MAIN CORRIDOR OR THE NEAREST MDF/IDF. THE CONDUIT PATHWAY SHALL TAKE THE SHORTEST ROUTE TO THE MAIN CORRIDOR OR THE NEAREST MDF/IDF TO MINIMIZE THE CABLE LENGTH ENSURING THE CABLE LENGTH DOES NOT EXCEED 275 FEET. CONDUIT, CONNECTIONS, J-HOOKS, SUSPENSION, ANCHORAGES, AND OTHER CONDUIT COMPONENTS EXPOSED TO VIEW IN PUBLIC SPACES SHALL BE ROUTED AND INSTALLED CAREFULLY TO MINIMIZE VISUAL IMPACT AND SHALL BE FULLY PAINTED TO MATCH UNLESS NOTED OTHERWISE.
15. CONDUIT IS INSTALLED IN-SLAB OR UNDER-SLAB TO FLOOR BOXES, POKE-THRUS, AND TO WORK AREA OUTLETS, ETC, SHALL BE INSTALLED WITH WET RATED CABLE(S).

KEYED NOTES

1. APPROXIMATE ROUTE CONDUIT SHALL TAKE TO A LAY-IN CEILING. THE CONDUIT SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO THE WALLS AND IN THE MOST DIRECT MANNER POSSIBLE TO THE NEAREST LAY-IN TYPE CEILING OFF A MAIN CORRIDOR, ROOM, OR MDF/IDF TO MINIMIZE THE CABLE LENGTH ENSURING THE CABLE LENGTH DOES NOT EXCEED 275 FEET. (BY DIV. 26)
2. DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON J-HOOK ABOVE ACCESSIBLE CEILING FOR OWNER PROVIDED / OWNER INSTALLED CEILING MOUNTED WIRELESS ACCESS POINT. (BY DIV. 27)
3. DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON J-HOOK ABOVE ACCESSIBLE CEILING FOR OWNER PROVIDED / OWNER INSTALLED INTERIOR WALL MOUNTED WIRELESS ACCESS POINT (BY DIV. 27)
4. DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON J-HOOK ABOVE ACCESSIBLE CEILING FOR OWNER PROVIDED / OWNER INSTALLED EXTERIOR WALL MOUNTED WIRELESS ACCESS POINT (BY DIV. 27)
5. DATA CABLE FOR MECHANICAL / ELECTRICAL CONTROLS. REFER TO MECHANICAL / ELECTRICAL DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS.
6. DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON J-HOOK ABOVE ACCESSIBLE CEILING FOR CONTRACTOR PROVIDED / CONTRACTOR INSTALLED CEILING MOUNTED VIDEO SURVEILLANCE CAMERA. REFER TO SECURITY DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS.
7. DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON J-HOOK ABOVE ACCESSIBLE CEILING FOR CONTRACTOR PROVIDED / CONTRACTOR INSTALLED INTERIOR WALL MOUNTED VIDEO SURVEILLANCE CAMERA. REFER TO SECURITY DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS
8. DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON J-HOOK ABOVE ACCESSIBLE CEILING FOR CONTRACTOR PROVIDED / CONTRACTOR INSTALLED EXTERIOR WALL MOUNTED VIDEO SURVEILLANCE CAMERA. REFER TO SECURITY DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS.
9. DATA CABLE(S) FOR EACH CONTRACTOR PROVIDED / CONTRACTOR INSTALLED ACCESS CONTROL SECURITY PANEL. REFER TO SECURITY DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS. REFER TO TYPICAL SECURITY RISER BACKBOARD DETAIL.
10. DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON J-HOOK FOR CONTRACTOR PROVIDED / CONTRACTOR INSTALLED SECURITY VIDEO INTERCOM (VAVP) WITH ACCESSIBLE CEILING. CONTRACTOR SHALL PLACE AN ORANGE ADHESIVE DOT AND A LABEL MIRRORING THE LABEL ON THE SURFACE MOUNTED BOX ON THE CEILING GRID DIRECTLY BELOW THE OUTLET LOCATION FOR FUTURE IDENTIFICATION OF THE OUTLET LOCATION. REFER TO SECURITY DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS. (BY DIV. 27/28)
11. FLOOR BOX AS SPECIFIED AND INSTALLED BY DIVISION 26. PROVIDE (2) 1-INCH CONDUIT DEDICATED FOR DATA CABLE AND (1) 1 1/4-INCH CONDUIT DEDICATED FOR AUDIO VISUAL CABLE FROM THE POKE THROUGH TO ABOVE ACCESSIBLE CEILING IN THE SAME ROOM WHERE THE FLOOR BOX IS LOCATED. REFER TO ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR EXACT LOCATION AND ADDITIONAL CONDUIT ROUGH-IN REQUIREMENTS PRIOR TO INSTALLATION.
12. DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON A J-HOOK ABOVE ACCESSIBLE CEILING FOR OWNER PROVIDED / CONTRACTOR INSTALLED WALL MOUNTED FLAT PANEL DISPLAY. REFER TO AUDIO | VISUAL DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS.
13. DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON J-HOOK ABOVE ACCESSIBLE CEILING FOR OWNER PROVIDED / CONTRACTOR INSTALLED WALL MOUNTED DIGITAL SIGNAGE. REFER TO AUDIO | VISUAL DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS.
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16. DATA CABLE FOR ELEVATOR PHONE LINE. REFER TO ELEVATOR DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS. (BY DIV. 27/28)
17. DATA CABLE FOR POINT-OF-SALE LOCATION. PROVIDE (2) 1-INCH CONDUIT FOR DATA TO THE WALL BEHIND POINT-OF-SALE LOCATION AND UP WALL TO ABOVE ACCESSIBLE CEILING. CONDUITS SHALL TERMINATE INSIDE A DOUBLE GANG BOX THAT IS SECURED TO THE POINT-OF-SALE LOCATION. REFER TO FOOD SERVICE / KITCHEN DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS.
18. DATA CABLE FOR OWNER PROVIDED / OWNER INSTALLED KRONOS CLOCK

KEY PLAN
N.T.S.

PLAN TRUE N

Revision / Date

Project:
NEW MIDDLE SCHOOL
FOR
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FREDERICKSBURG, TEXAS

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TECHNOLOGY LEVEL 2 - SECTION 6

PACKAGE | VOLUME

Job No. 1915-15-21
Drawn By: Author
Date: Issue Date
Sheet No. T1.06

5/17/2022 10:15:16 AM
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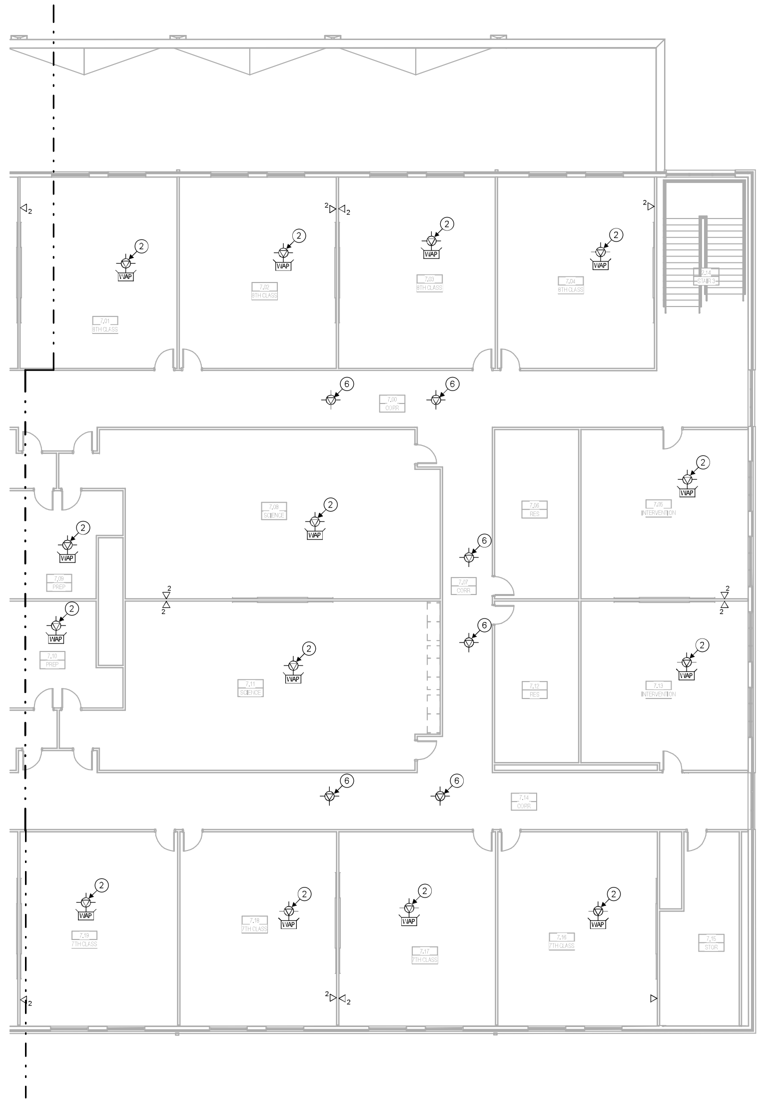

1 T1.07 TECHNOLOGY LEVEL 2 SECTION 7 FLOOR PLAN
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(8) DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON J-HOOK ABOVE ACCESSIBLE CEILING FOR CONTRACTOR PROVIDED / CONTRACTOR INSTALLED EXTERIOR WALL MOUNTED VIDEO SURVEILLANCE CAMERA. REFER TO SECURITY DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS.

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(10) DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON J-HOOK FOR CONTRACTOR PROVIDED / CONTRACTOR INSTALLED SECURITY VIDEO INTERCOM (VM/VI) WITH ACCESSIBLE CEILING. CONTRACTOR SHALL PLACE AN ORANGE ADHESIVE DOT AND A LABEL MIRRORING THE LABEL ON THE SURFACE MOUNTED BOX ON THE CEILING GRID DIRECTLY BELOW THE OUTLET LOCATION FOR FUTURE IDENTIFICATION OF THE OUTLET LOCATION. REFER TO SECURITY DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS. (BY DIV. 27/26)

(11) FLOOR BOX AS SPECIFIED AND INSTALLED BY DIVISION 26. PROVIDE (2) 1-INCH CONDUIT DEDICATED FOR DATA CABLE AND (1) 1 1/4-INCH CONDUIT DEDICATED FOR AUDIO VISUAL CABLE FROM THE POKE THROUGH TO ABOVE ACCESSIBLE CEILING IN THE SAME ROOM WHERE THE FLOOR BOX IS LOCATED. REFER TO ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR EXACT LOCATION AND ADDITIONAL CONDUIT ROUGH-IN REQUIREMENTS PRIOR TO INSTALLATION.

(12) DATA CABLE WITH 20-FEET OF SLACK NEATLY COILED AND STORED ON A J-HOOK ABOVE ACCESSIBLE CEILING FOR OWNER PROVIDED / CONTRACTOR INSTALLED WALL MOUNTED FLAT PANEL DISPLAY. REFER TO AUDIO | VISUAL DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS.

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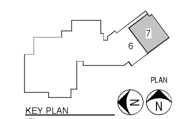
(15) DATA CABLE FOR CONTRACTOR PROVIDED / CONTRACTOR INSTALLED ACCESS CONTROL WIRELESS GATEWAY UNIT. REFER TO SECURITY DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS. (BY DIV. 27)

(16) DATA CABLE FOR ELEVATOR PHONE LINE. REFER TO ELEVATOR DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS. (BY DIV. 27/26)

(17) DATA CABLE FOR POINT-OF-SALE LOCATION. PROVIDE (2) 1-INCH CONDUIT FOR DATA TO THE WALL BEHIND POINT-OF-SALE LOCATION AND UP WALL TO ABOVE ACCESSIBLE CEILING. CONDUITS SHALL TERMINATE INSIDE A DOUBLE GANG BOX THAT IS SECURED TO THE POINT-OF-SALE LOCATION. REFER TO FOOD SERVICE / KITCHEN DRAWINGS FOR EXACT LOCATION AND CONDUIT ROUGH-IN REQUIREMENTS.

(18) DATA CABLE FOR OWNER PROVIDED / OWNER INSTALLED KRONOS CLOCK



KEY PLAN
N.T.S.

Revision / Date

Project:
NEW MIDDLE SCHOOL
FOR
FREDERICKSBURG ISD
FREDERICKSBURG, TEXAS

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TECHNOLOGY LEVEL 2 - SECTION 7

PACKAGE VOLUME

Job No. 1851-03-01
Drawn By: Author
Date: Issue Date
Sheet No. T1.07