



UNITED STATES COLD STORAGE

SECOND FLOOR OFFICE BUILD-OUT

LAKE CITY, FLORIDA

71005332

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G002 ENLARGED OFFICE LIFE SAFETY FLOOR PLAN

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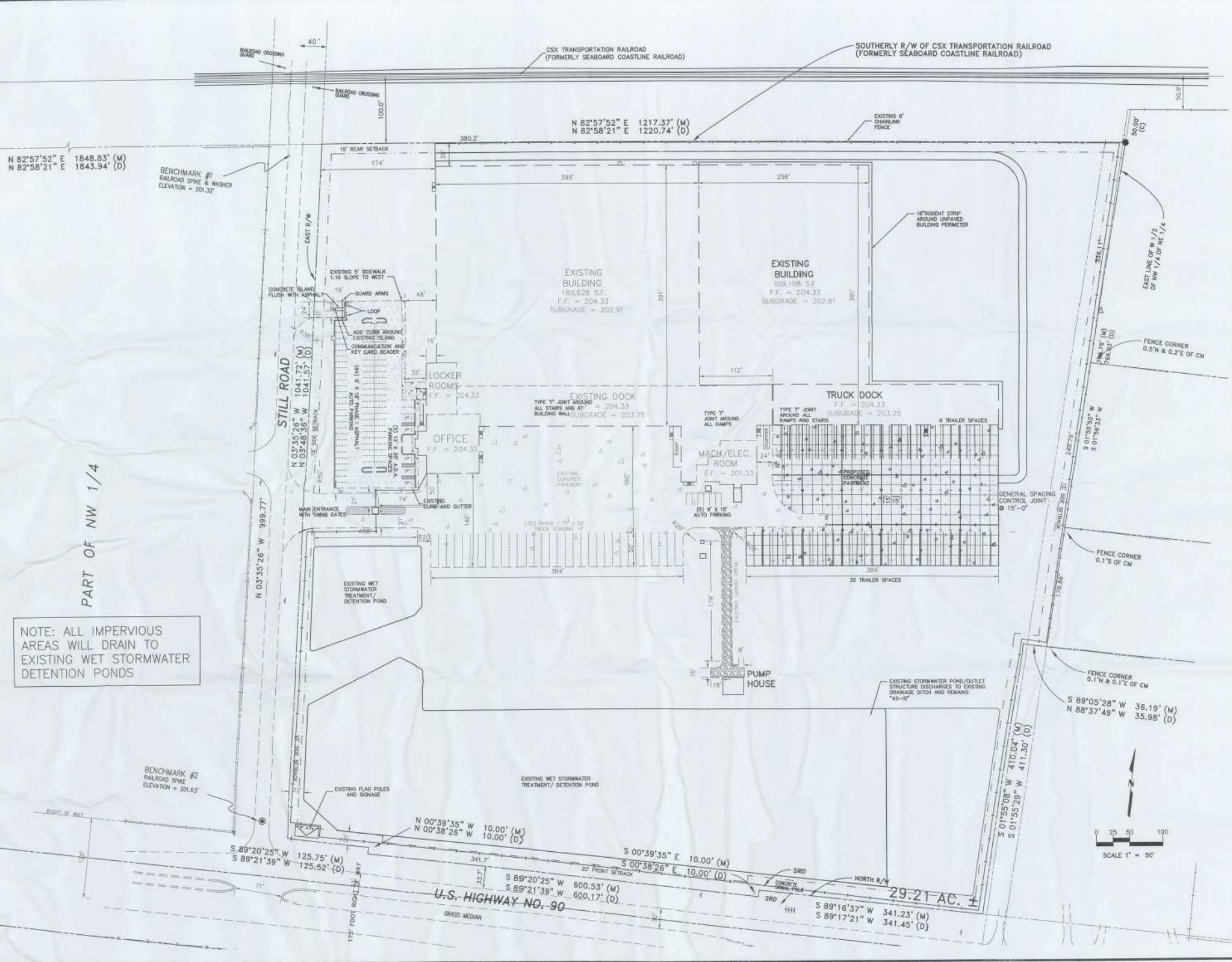
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DISCIPLINE GENERAL ARCHITECTURAL MECHANICAL ELECTRICAL PLUMBING CIVIL STRUCTURAL CONSTRUCTION SPECIALTIES OTHER	SHEET TYPE GENERAL SCHEDULES DETAILS ENLARGED SECTION ELEVATION DEMOLITION SEQUENCE OF OPERATIONS RISER DIAGRAM



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DRAWING ISSUE "A" - "08/08/2014" - "PERMIT ISSUE"

15/08/14
15

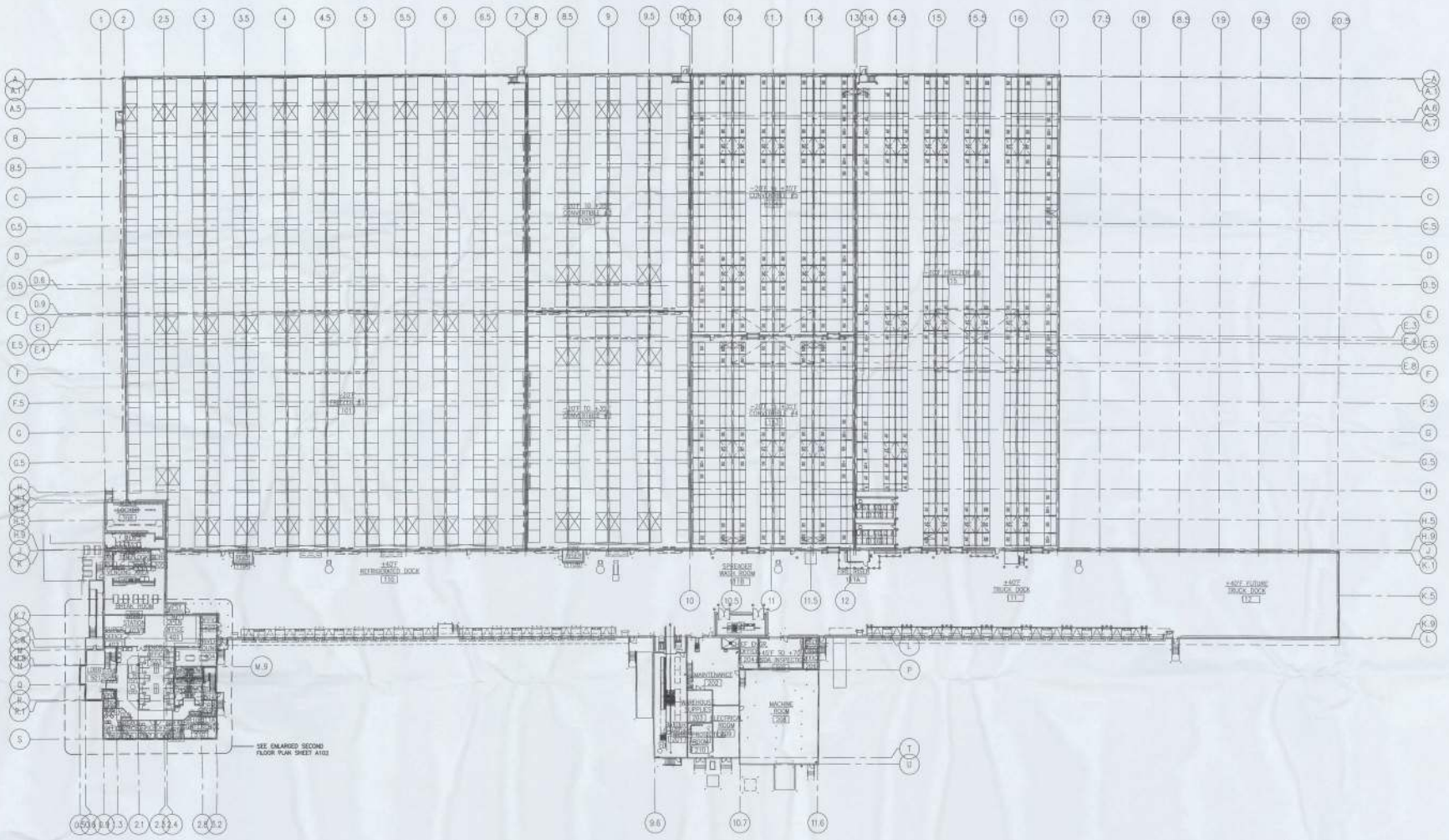


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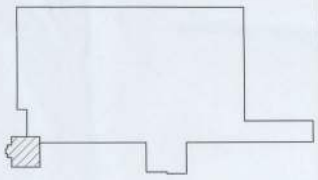
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NO.	DATE	BY	DESCRIPTION

JOB NO. 71005332
 DRAWN: FFR
 CHECKED: RS
 SCALE: AS NOTED



OVERALL FACILITY FLOOR PLAN
 SCALE: 1" = 32'-0"



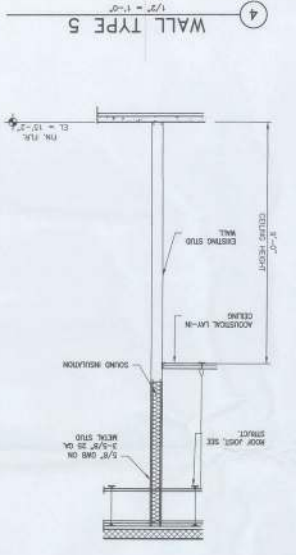
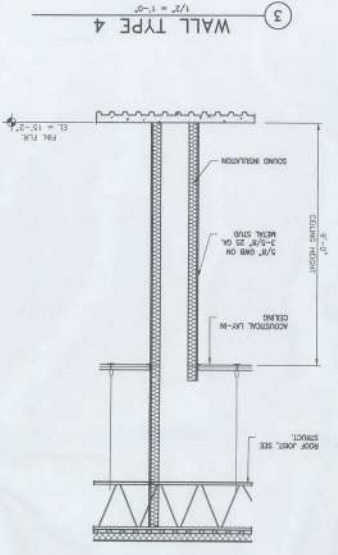
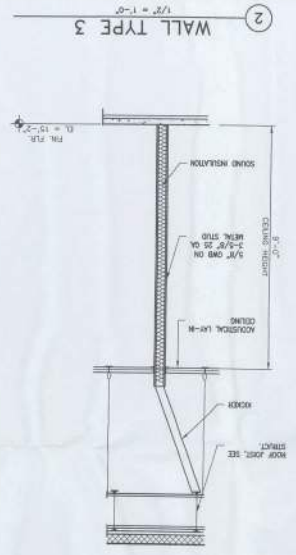
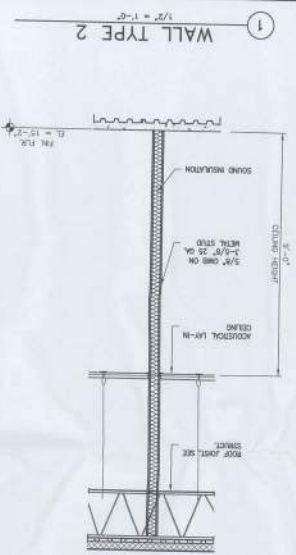
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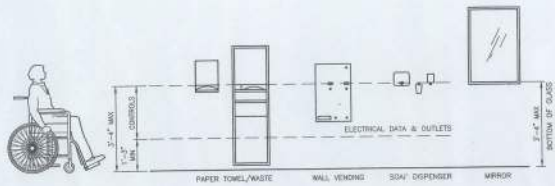
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WALL SECTIONS

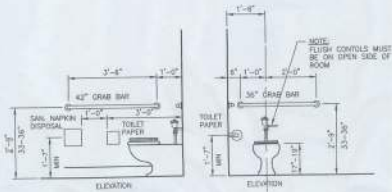
UNITED STATES COLD STORAGE
SECOND FLOOR OFFICE BUILD-OUT
LAKE CITY, FLORIDA

ESTIM

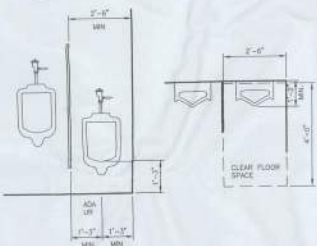




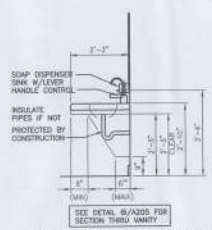
1 ADA FORWARD REACH MOUNTING HEIGHT
1/2" = 1'-0"



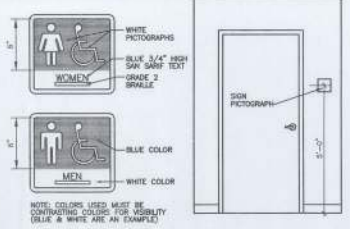
3 GRAB BAR LAYOUT
1/2" = 1'-0"



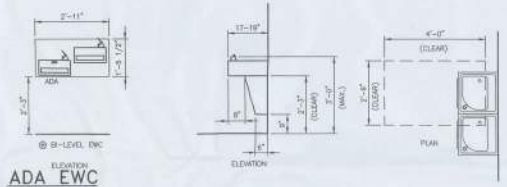
6 ADA URINAL
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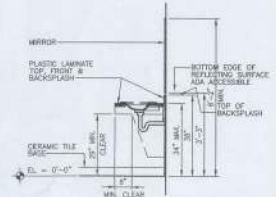
7 ADA WALL-MOUNTED SINK MOUNTING HTS
1/2" = 1'-0"



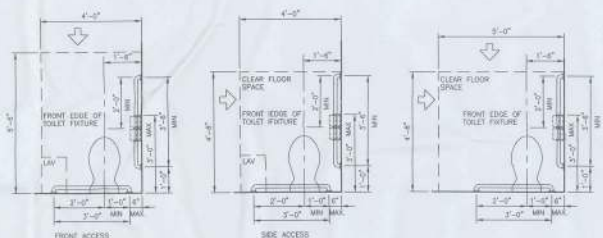
2 SIGN DETAILS
NOT TO SCALE



4 MOUNTING HEIGHTS
1/2" = 1'-0"



5 MOUNTING HEIGHTS
1/2" = 1'-0"



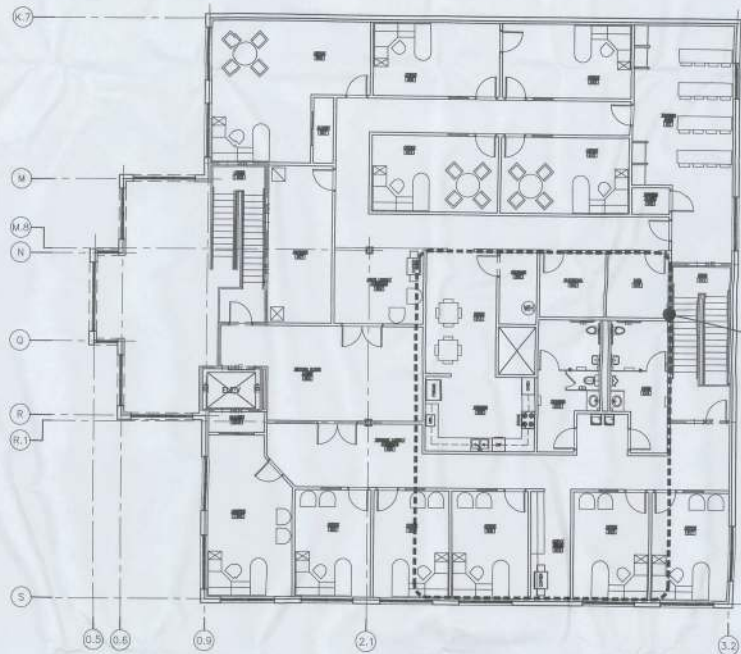
8 GRAB BAR LAYOUT
1/2" = 1'-0"

1. The owner shall provide all materials and labor for the installation of the fixtures and hardware shown on this drawing. The contractor shall be responsible for the coordination of the work with the other trades on the project.

NO.	DATE	BY	REVISION / DESCRIPTION

JOB NO. 71005332
DRAWN: FRR
CHECKED: RRS
SCALE: AS NOTED

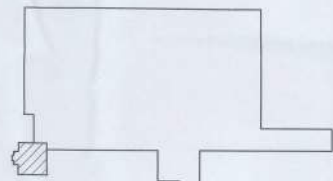
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FOR ENLARGED SANITARY & UTILITY
PLANS SEE DRAWING SHEET PA01
PLANS A & B

ENLARGED SANITARY &
PROCESS PIPING FLOOR PLAN

SCALE 1/8" = 1'-0"
0 2 4 8 16

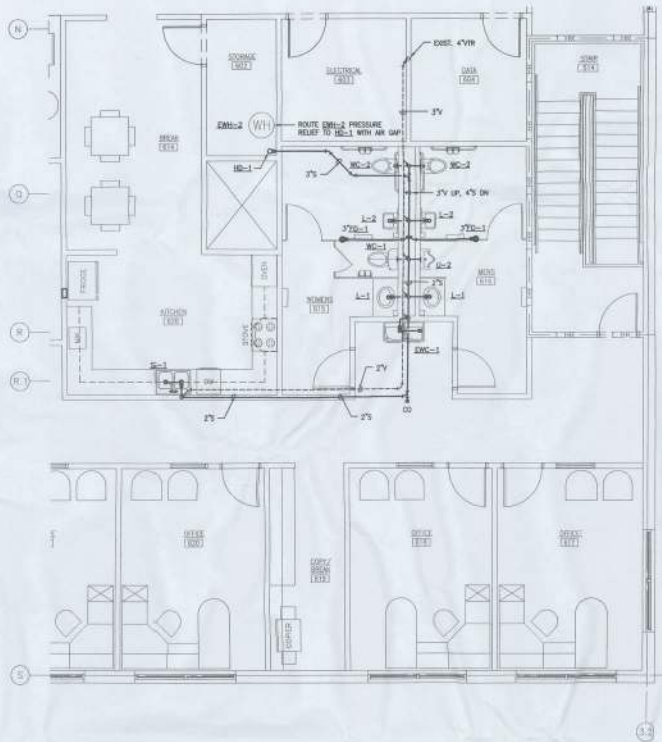


KEY PLAN

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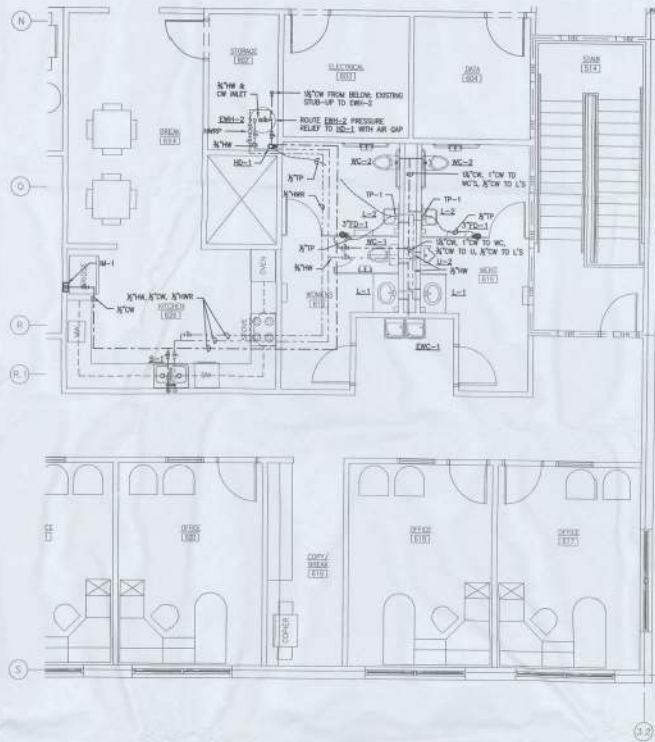


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(A) ENLARGED SANITARY FLOOR PLAN

SCALE: 1/4" = 1'-0"
0 1 2 4 8



(B) ENLARGED UTILITY FLOOR PLAN

SCALE: 1/4" = 1'-0"
0 1 2 4 8

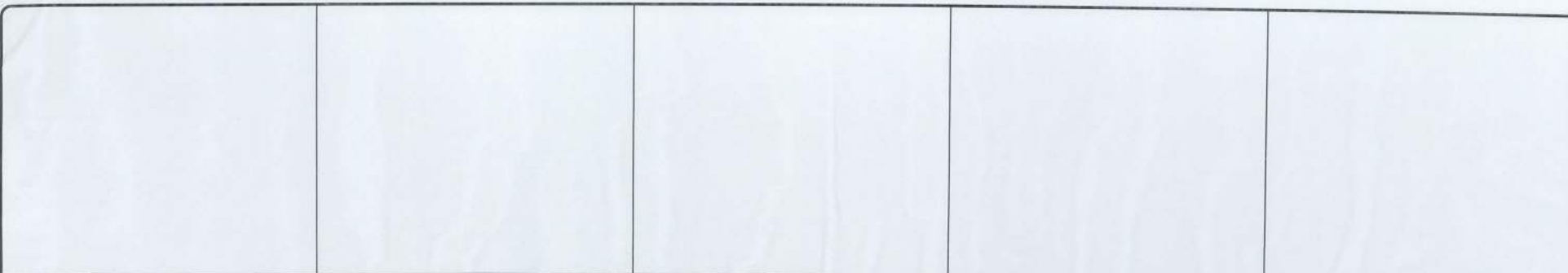


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NO.	DATE	BY	DESCRIPTION

JOB NO. 71005332
 DRAWN: JPB
 CHECKED: WMV
 SCALE: AS NOTED

NO.	DATE	DESCRIPTION



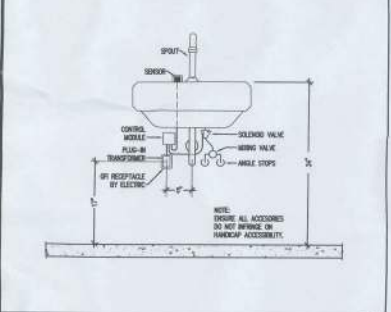
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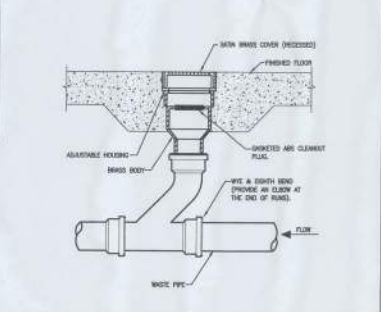
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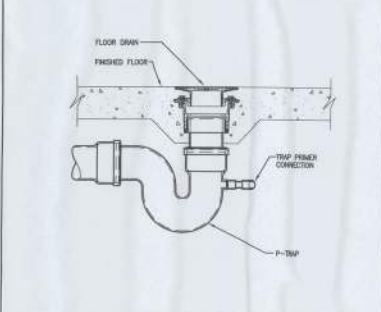
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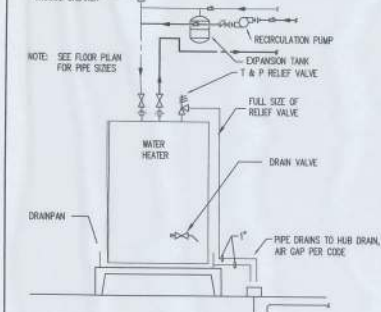
LAVATORY / SENSOR FAUCET DETAIL SCALE: N.T.S. (5)



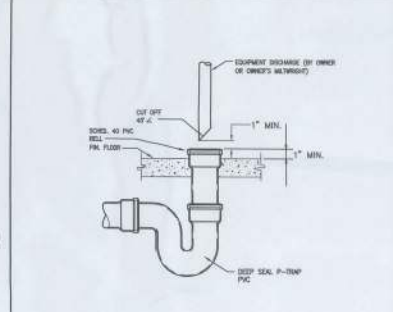
FLOOR CLEANOUT (FCO-1) SCALE: N.T.S. (4)



FLOOR DRAIN (FD-1) SCALE: N.T.S. (3)

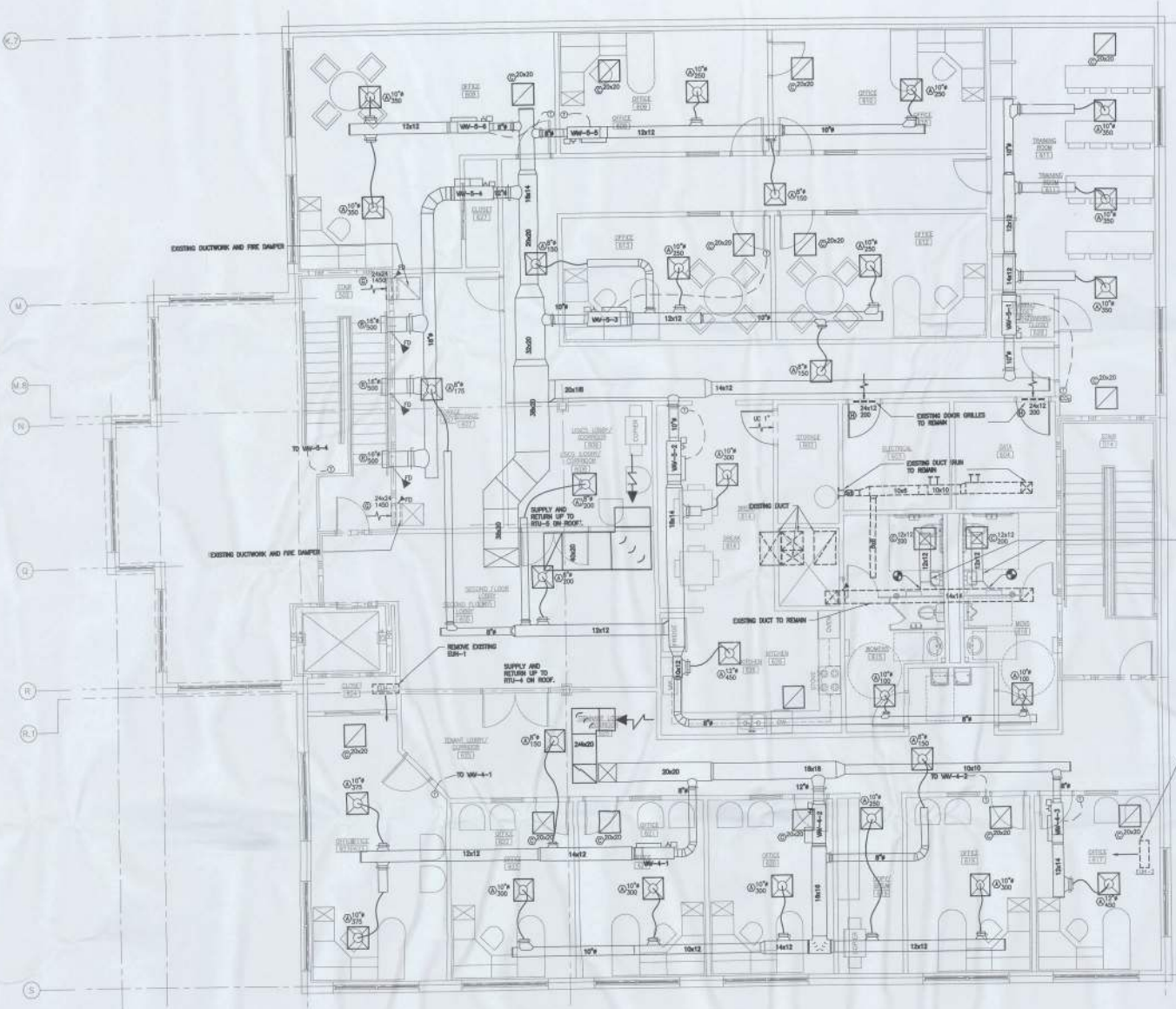


ELECTRIC WATER HEATER PIPING DETAIL SCALE: N.T.S. (2)

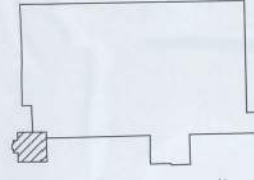


HUB DRAIN (HD-1) SCALE: N.T.S. (1)

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MECHANICAL ENLARGED FLOOR PLAN
SCALE: 3" = 1'-0"



KEY PLAN
NOT TO SCALE



UNITED STATES COLD STORAGE
SECOND FLOOR OFFICE BUILD-OUT
LAKE CITY, FLORIDA

MECHANICAL ENLARGED FLOOR PLAN

NO.	DATE	BY	DESCRIPTION

JOB NO. 71005332
DRAWN: JHL
CHECKED: WWV
SCALE: AS NOTED
M102
DRAWING NO.

GENERAL NOTES

- COORDINATE FINAL LOCATIONS OF ALL MECHANICAL AND REFRIGERATION EQUIPMENT WITH THE APPROPRIATE TRADE.
- FLEXIBLE CONDUIT INSTALLED OUTDOORS OR INDORS SHALL BE LIQUID TIGHT FLEX WITH DURABLE FITTINGS.
- CONDUIT SHALL PASS THROUGH WALLS ONLY AT 90 DEGREES AND TO RUN PARALLEL OR PERPENDICULAR TO WALLS.
- BRANCH CIRCUIT HANGING SHALL BE MINIMUM #12 WIRE AND 3/4" CONDUIT. EVERY NEW CONDUIT SHALL HAVE A GROUND WIRE (#12 MINIMUM). CONDUIT WIRING SHALL USE #14 SIGNAL AND GROUND (MINIMUM).
- ALL UNDERGROUND CONDUIT RUNS ENTERING THE BUILDING SHALL BE SEALED TO PREVENT THE ENTRANCE OF MOISTURE AND DAMPNESS.
- ALL LIGHTING FIXTURES SHALL BE PROVIDED WITH ALL THE APPROPRIATE MOUNTING HARDWARE FOR A COMPLETE INSTALLATION.
- PROVIDE NEW PLASTIC ENGRAVED NAMEPLATES ON ALL NEW PANELBOARDS INCLUDING NAMEPLATES FOR CIRCUITS IN PLUMB PANELBOARDS, SWITCHGEAR, MOTOR CONTROL CENTERS AND TRANSFORMERS. USE NAMES PER THE RISE/DIAGRAM. COORDINATE IN FIELD FOR NAMEPLATES OF EQUIPMENT NOT SHOWN ON RISE/DIAGRAM. PROVIDE NAMEPLATE INFORMATION AS INDICATED IN FIELD ON ALL RISE/DIAGRAMS. ALL ELECTRICAL DEVICES SHALL HAVE THE CIRCUITS WHICH SERVE THE DEVICE CLEARLY IDENTIFIED FOR THE USER.
- CONDUIT SHALL BE AS DESCRIBED IN THE SPECIFICATIONS AND THESE GENERAL NOTES.
- ALL GEAR AND PANELS SHALL BE FULLY RATED FOR AVAILABLE FAULT CURRENT AS INDICATED SERIES CODES AND INTEGRATED RATINGS ARE NOT ACCEPTABLE.
- ALL WORK SHALL BE PER NEC 2008 AND ALL OTHER LOCAL, STATE AND NATIONALLY ENFORCED CODES.
- BATHROOM SPONGERS SHALL BE ABLE TO CONTROL 277V LTR CIRCUIT AND 120V EXHAUST FAN OUT SIMULTANEOUSLY USE ARTES # 95-507B-3C-W.
- SEE MECHANICAL DRAWINGS FOR DIRECTION ON CONTROL SEQUENCE WIRING.
- ELECTRICAL CONTRACTOR MAY NOT DE-RATE CONDUCTORS IN THE FIELD WITHOUT SPECIFIC ENGINEER'S APPROVAL.
- SEAL ALL PENETRATIONS THROUGH FIRE WALLS TO MAINTAIN THE RATING OF WALL/FLOOR. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
- PROVIDE CONDUIT AND DEVICE BOXES FOR MECHANICAL EQUIPMENT THERMOSTATS. ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR MOUNTING THERMOSTATS DEPENDING ON VOLTAGE. SEE MECHANICAL DRAWINGS FOR FURTHER DIRECTION.
- PROVIDE POWER AND CONTROL CONNECTIONS AND WIRING FOR MECHANICAL EQUIPMENT INCLUDING ALL VOTORIZED DEVICES. SEE MECHANICAL DRAWINGS FOR FURTHER DIRECTION.
- THESE DOCUMENTS PERTAIN TO ELECTRICAL ONLY. THIS DESIGN SHALL NOT BE USED TO QUALIFY OTHER DISCIPLINES NOR SHALL IT BE RESPONSIBLE FOR OTHER DISCIPLINE REQUIREMENTS OR PROPERTY ASSETS NOT A PART OF THE ELECTRICAL CONTRACT.
- EQUIPMENT AND LIGHTING SHALL NOT EXCEED THE POWER REQUIREMENTS SPECIFIED IN THE EQUIPMENT AND LIGHTING SCHEDULE.
- REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
- DEVICES MOUNTED TO CMU WALLS SHALL BE INSTALLED FLUSH WITH WALL SURFACE MOUNTING SHOULD BE AVOIDED.
- FAILURE TO FOLLOW THESE REQUIREMENTS WILL BE CONSIDERED INADEQUATE WORK. ALL DISCREPANCIES SHALL BE CORRECTED WITH NO EXPENSE TO STELLAR OR REALTY OWNED.
- THE ELECTRICAL CONTRACTOR SHALL REVIEW ALL NAMEPLATE DATA FOR DISCREPANCIES, WHICH SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
- IN NO INSTANCE SHALL LIGHT FIXTURES BE LOCATED DIRECTLY OVER PIPING OR OUTDOOR. IF PIPING IS RUN DIRECTLY UNDER A SET LIGHT FIXTURE THE LIGHT FIXTURE SHALL BE RELOCATED AT NO ADDITIONAL COST. COORDINATE WITH MECHANICAL TRADES FOR LOCATION OF MAJOR PIPE PLANS AND DUCTWORK. IN AREAS WITH HEAVY PIPE AND DUCT WORK, IT WILL BE RESPONSIBLE TO MOUNT LIGHT FIXTURES UNDERNEATH PIPING OR DUCTWORK, PROVIDED AMPLE HEAD ROOM IS AVAILABLE.
- ALL CONDUIT PENETRATIONS GOING THROUGH AREAS WITH A DIFFERENCE IN TEMPERATURE OF 15 DEGREES OR MORE SHALL BE SEALED PER DETAIL 3/5011.
- IN GENERAL, CONDUCTORS SHALL BE THRU/THRU COPPER. CONDUCTORS RUN IN 8 BELL F. SPACES (OR BELLY) SHALL BE EXAM COPPER FOR THE ENTIRE LENGTH.
- CONDUIT INDORS SHALL BE ENT 12"-0" ABOVE FINISHED FLOOR IN DRY AREAS WHERE NOT SUBJECT TO DAMAGE. COMPRESSION TYPE FITTINGS USED FOR 1-1/2" AND SMALLER SIZES MAY BE USED FOR SIZES LARGER THAN 1-1/2". SW/AC CABLE SHALL BE USED IN OFFICE SPACES. CONDUIT OUTDOORS ABOVE GRADE SHALL BE MC.
- PROVIDE FINAL CONNECTIONS OF ALL POWER AND CONTROL WIRING FOR ALL DEVICES AND EQUIPMENT FOR ALL TRADES UNLESS OTHERWISE NOTED IN THE DRAWINGS.
- ELECTRICAL CONTRACTOR SHALL PROVIDE STARTUP SUPPORT TO INCLUDE COMMISSIONING OF ALL VARIABLE SPEED DRIVES, VFD'S, STARTERS AND OTHER ELECTRICAL. IF CONTRACTOR IS PROVIDING, COMMISSIONING SHALL INCLUDE CONFIGURATION OF ALL EQUIPMENT FOR THE INTENDED APPLICATION INCLUDING ENTERING MOTOR DATA AND/OR PROTECTION SETTINGS, AND SETTING UP COMMUNICATIONS PARAMETERS IN ACCORDANCE WITH ELECTRICAL/CONTROL DRAWINGS.
- ALL COMMUNICATION WIRING SHALL BE IN RACKWAYS. NO TRICE-ARC WIRING IS PERMITTED.

WIRING FROM LAST REMAINING DEVICE, FOR EACH DEVICE OR FEATURE REMOVED IN THE MIDDLE OF A CIRCUIT, CONTRACTOR SHALL REMOVE WIRING FROM FIRST DEVICE OR FEATURE. NEW WIRING AND CONDUIT, SIZED THE SAME AS EXISTING, SHALL BE PULLED BETWEEN THE TWO REMAINING DEVICES OR FEATURES. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.

23. TO PERMIT INSTALLATION OF NEW PIPES OR DUCTS AS INDICATED ON MECHANICAL AND PLUMBING DRAWINGS, CONTRACTOR SHALL REMOVE WIRING FROM FIRST DEVICE OR FEATURE. NEW WIRING AND CONDUIT, SIZED THE SAME AS EXISTING, SHALL BE PULLED BETWEEN THE TWO REMAINING DEVICES OR FEATURES. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.

24. EXISTING DEVICES AND CONDUIT MAY BE REUSED ON THIS PROJECT IF IN GOOD CONDITION AND IF DRAWING REQUIREMENTS AND SPACES ARE MET.

TELEPHONE/DATA/WIRELESS ACCESS POINTS
 THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING CONDUIT TO EACH ACCESS POINT. COORDINATE WITH THE NEAREST SECURITY CONTROL PANEL, COORDINATE WITH SECURITY SYSTEM CONTRACTOR.

SECURITY SYSTEM
 ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A SYSTEM OF CONDUIT FITTINGS, BOXES, AND RACK STOPS FROM DEVICE LOCATION TO THE NEAREST SECURITY CONTROL PANEL, COORDINATE WITH SECURITY SYSTEM CONTRACTOR.

FIRE ALARM
 ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A SYSTEM OF CONDUIT FITTINGS, BOXES, AND RACK STOPS FROM DEVICE LOCATION TO THE NEAREST FIRE ALARM PANEL, COORDINATE WITH FIRE ALARM SYSTEM CONTRACTOR.

ELECTRICAL LEGEND

	2 x 4 FLUORESCENT LUMINAIRE		FIRE ALARM PANEL
	EMERGENCY 2 x 4 FLUORESCENT LUMINAIRE		FIRE ALARM PULL STATION
	EMERGENCY STRIP LUMINAIRE		FIRE ALARM HORN
	ENCLOSED FLUORESCENT STRIP LUMINAIRE		FIRE ALARM AUDIO/VISUAL DEVICE
	ENCLOSED FLUORESCENT LUMINAIRE		FIRE ALARM STROBE DEVICE
	EMERGENCY ENCLOSED FLUORESCENT LUMINAIRE		SMOKE DETECTOR
	WALL MOUNTED FLUORESCENT LUMINAIRE		DUCT SMOKE DETECTOR
	EMERGENCY WALL MOUNTED FLUORESCENT LUMINAIRE		HEAT DETECTOR
	RECESSED OR PENDANT MOUNTED LUMINAIRE		TAMPER SWITCH - ELECTRICALLY SUPERVISED
	EMERGENCY RECESSED OR PENDANT MOUNTED LUMINAIRE		FLOW SWITCH - ELECTRICALLY SUPERVISED
	WALL MOUNTED LUMINAIRE		LIMIT SWITCH
	WALL MOUNTED LUMINAIRE WITH ADJUSTABLE ARM		SELECTOR SWITCH
	SURFACE MOUNTED ADJUSTABLE LUMINAIRE		HMO HAND/OFF/AUTO SELECTOR SWITCH
	TRACK MOUNTED LUMINAIRES (4 SHOWN)		OFF/AUTO SELECTOR SWITCH
	POLE MOUNTED AREA LIGHT (ONE LUMINAIRE SHOWN)		ON/OFF SELECTOR SWITCH
	FLOOD LIGHT MOUNTING AS NOTED		CLOSED CIRCUIT TELEVISION CAMERA
	BUILDING MOUNTED WALL PACK		ELECTRONIC CARD READER
	EMERGENCY BATTERY PACK WITH TWO INTEGRAL LIGHTS		MAGNETIC DOOR LOCK
	EMERGENCY REMOTE SINGLE LIGHT HEAD		ELECTRONIC DOOR SENSOR
	EMERGENCY REMOTE DOUBLE LIGHT HEAD		ELECTRONIC WINDOW SENSOR
	EXIT LIGHT (SINGLE, DOUBLE, WALL MOUNTED)		ELECTRONIC MOTION SENSOR
	SINGLE POLE SINGLE THROW SWITCH (SPST)		JUNCTION BOX (SIZE PER N.E.C.)
	DOUBLE POLE SINGLE THROW SWITCH (SPST)		JUNCTION BOX FOR DOOR JAMBS OR CONDENSATE HEAT (SIZE PER N.E.C.)
	THREE WAY SPST SWITCH		NON-FUSED DISCONNECT SWITCH (FRAME SIZE/# POLES/ENCLOSURE)
	MOTOR RATED SWITCH (SPST UNLESS NOTED OTHERWISE)		FUSED DISCONNECT SWITCH (FRAME SIZE/# POLES/FUSE SIZE/ENCLOSURE)
	SLEW TYPE OVERLOAD SWITCH (1200VA CAPACITY) LEVITON MOTOR SERIES		COMBINATION STARTER (STARTER SIZE/# POLES/ENCLOSURE)
	WALL MOUNTED INFRARED OCCUPANCY DETECTOR LEVITON 00015-ID (SINGLE LEAD SWITCHING)		MOTOR STARTER PROTECTOR (GROUP MOTOR STARTING) (STARTER SIZE/# POLES/ENCLOSURE) (SENSE PRODUCT #14, 1/2" OR APPROVED EQUAL)
	WALL MOUNTED INFRARED OCCUPANCY DETECTOR LEVITON 00010-160 (PROVIDE POWER PACK)		PANELBOARD (SEE SCHEDULE FOR CONFIGURATION)
	DUPLEX RECEPTACLE WALL MOUNTED		MOTOR - NUMBER DENOTES HORSEPOWER
	DUPLEX RECEPTACLE GROUND RECEPTACLE WALL MOUNTED		POWER POLE WITH 3 SECTIONS
	DUPLEX RECEPTACLE WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER		CONDUIT
	EQUIPMENT MOUNTED DUPLEX RECEPTACLE WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER AND WEATHERPROOF COVER		UNDERFLOOR/UNDERGROUND CONDUIT
	FLUSH MOUNTED MULTI USE FLOOR OUTLET WITH COVER POWER, TELEPHONE AND DATA - AS SPECIFIED		EMERGENCY OR LOW VOLTAGE CONDUIT
	FLUSH MOUNTED FLOOR RECEPTACLE WITH COVER		BRANCH CIRCUIT HANGERING SEE PANELBOARD CIRCUIT FOR NUMBER OF CONDUCTORS REQUIRED
	DUPLEX RECEPTACLE ABOVE COUNTER		
	TELE/DATA WALL OUTLET 4" SQUARE BOX WITH 3/4" CONDUIT STUB		
	INFRARED CONTROLLED FLUSH VALVE SENSORS COORDINATE WITH MECHANICAL CONTRACTOR.		
	CEILING MOUNTED TRANSFORMER FOR ELECTRONIC VALVE		
	CONDUIT PRE-WIRED FURNITURE - A CIRCUITS FROM CEILING. CONDUIT CONSULT IN COLUMN		
	1 1/2" X 1 1/2" PRE-WIRED FURNITURE FROM CEILING. CONDUIT CONSULT IN CEILING.		

ABBREVIATIONS

AFB	ABOVE FINISHED FLOOR	DISC	DISCONNECT	MSB	MAIN SWITCHBOARD
AFG	ABOVE FINISHED GRADE	EF	EXHAUST FAN	N/C	NORMALLY CLOSED
AL	ALUMINUM	EC	ELECTRIC WATER COOLER	N/O	NORMALLY OPEN
BATT	BATTERY	FWR	FULL VOLTAGE NON REVERSING	PNL	PANEL
CONC	CONCRETE	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	RCP	REFRIGERATION CONTROL PANEL
CONTR	CONTRACTOR	HOA	HAND OFF AUTO	T/M	THERMAL MAGNETIC
CT	CURRENT TRANSFORMER	INT	INSTANTANEOUS	XTFR	TRANSFORMER
CPT	CONTROL POWER TRANSFORMER	MCC	MOTOR CONTROL CENTER	TYP	TYPICAL
CU	COPPER	MCP	MAIN DISTRIBUTION PANEL	UN	UNLESS OTHERWISE NOTED
				WF	WEATHERPROOF

BASE LUMINAIRE SCHEDULE

TYPE	LUMINAIRE DESCRIPTION	MANUFACTURER AND CATALOG NO. (OR APPROVED EQUAL)	INPUT DATA VOLTS HERTZ WATTS	LAMP INFORMATION DESCRIPTION WATTS CITY	REFERENCE NOTES
D	DOWN LIGHT	LITHONIA LF9H-2/2TTR-FB0342-MXCL-NB02	277 60 3	32 WATT TRIPLE TUBE 3000K 20W 20"	4
D1	DOWN LIGHT	LITHONIA LF9H-2/2TTR-FB0342-MXCL	277 60 3	32 WATT TRIPLE TUBE 3000K 20W 20"	-
D1E	DOWN LIGHT W/BATT	LITHONIA LF9H-2/2TTR-FB0342-MXCL-EL	277 60 3	32 WATT TRIPLE TUBE 3000K 20W 20"	1.4
F3	2x4 LAY-IN FLUORESCENT TRIMMER W/BATT	LITHONIA 2018-3-32-112115-MXCL-SER102	277 60 3	32 WATT TR 3000K 80W 20"	5
F3E	2x4 LAY-IN FLUORESCENT TRIMMER W/BATT	LITHONIA 2018-3-32-112115-MXCL-SER102-EL14	277 60 3	32 WATT TR 3000K 80W 20"	1.5
SL	STRIP LIGHT	LITHONIA L-2-32-MXCL-SER102-MCUM-HC28	277 84 2	32 WATT TR 3000K 80W OR	-
X	EXIT LIGHT	LITHONIA LGM-S-3R-126/277-ELN	277 1 -	LED INCLUDED	1.2

ALTERNATE LUMINAIRE SCHEDULE

TYPE	LUMINAIRE DESCRIPTION	MANUFACTURER AND CATALOG NO. (OR APPROVED EQUAL)	INPUT DATA VOLTS HERTZ WATTS	LAMP INFORMATION DESCRIPTION WATTS CITY	REFERENCE NOTES
D	DOWN LIGHT	LITHONIA D0M6-900L-40X-277-006-DM	277 25 -	LED INCLUDED	4
D1	DOWN LIGHT	LITHONIA D0M6-900L-40X-277-006	277 25 -	LED INCLUDED	-
D1E	DOWN LIGHT W/BATT	LITHONIA D0M6-900L-40X-277-006-DM-ELR8723	277 25 -	LED INCLUDED	1.4
F3	2x4 LAY-IN FLUORESCENT TRIMMER W/BATT	LITHONIA ZTL4-66L-FW-A12-050-LP840-NB0	277 46 -	LED INCLUDED	5
F3E	2x4 LAY-IN FLUORESCENT TRIMMER W/BATT	LITHONIA ZTL4-66L-FW-A12-050-LP840-NB0-EL14L	277 46 -	LED INCLUDED	1.5
SL	STRIP LIGHT	LITHONIA ZLI-148-2800L-LP840	277 32 -	LED INCLUDED	-
X	EXIT LIGHT	LITHONIA LGM-S-3R-126/277-ELN	277 1 -	LED INCLUDED	1.2

- LUMINAIRE SCHEDULE NOTES:**
- ALL EMERGENCY EXITS LUMINAIRES REQUIRE AN UNINTERRUPTED CONNECTION. WHERE EMERGENCY EXITS DEVICES ARE CONTAINED WITH NORMAL USE LUMINAIRES, PROVIDE LOCAL SWITCHING AS INDICATED ON DRAWINGS.
 - EXIT LIGHTING
ALL EXIT SIGNS SHALL BE MOUNTED 7'-4" A.F.F. (V.O.N)
 - FOR MOUNTING HEIGHTS AND DETAILS NOT LISTED ON SCHEMATIC, REFER TO LIGHTING DRAWINGS.
 - PROVIDE ELECTRONIC DIMMING BALLAST.
 - REPLACE FIXTURE WITH 3 BALLASTS FOR INBOARD OUTBOARD SWITCHING. LED ALTERNATE FIXTURE HAS 0-10V FLM INNOV DIMMING STANDARD.

- GENERAL DEMOLITION NOTES:**
- VERIFY CIRCUITING ARRANGEMENTS ARE AS SHOWN ON DRAWINGS OR AS DETERMINED IN THE FIELD.
 - VERIFY THAT WIRING AND EQUIPMENT TO BE ABANDONED SERVES ONLY ABANDONED FACILITIES.
 - DEMOLITION DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION. REPORT DISCREPANCIES TO DESIGNER BEFORE DISTURBING EXISTING INSTALLATION.
 - THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO PREPARING HIS BID IN ORDER TO FAMILIARIZE HIMSELF WITH CONDITIONS AS THEY EXIST. HE SHALL STUDY ALL AVAILABLE BUILDING PLANS, ARCHITECTURAL AND MECHANICAL DRAWINGS WHICH MAY BE AVAILABLE TO VIEW AT THE FACILITY, TO SAFELY IDENTIFY AS TO THE EXTENT OF ALL DISCONTINUANCES AND SHALL INCLUDE THE COST OF SAME IN HIS BID. RESIGNING OF DEMOLITION SHALL BEAR CONTRACTOR ACCEPTS EXISTING CONDITIONS.
 - DISCONNECT ELECTRICAL SYSTEMS IN WALLS, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL.
 - COORDINATE ANY UTILITY SERVICE CHANGES WITH THE OWNER AND THE UTILITY COMPANY. PROVIDE 72 HOURS ADVANCED NOTICE MINIMUM. THERE SHALL NOT BE ANY INTERRUPTION TO SERVICES TO THE EXISTING FACILITY WITHOUT PRIOR SCHEDULING OF SUCH CHANGES WITH THE OWNER WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS. USE ONLY PERSONNEL EXPERIENCED IN SUCH OPERATIONS AND USE THE PROPER PPE REQUIRED.
 - PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS AND USE THE PROPER PPE REQUIRED.
 - EXISTING ELECTRICAL SYSTEM MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER AT LEAST 72 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTSIDE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA.
 - EXISTING FIRE ALARM SYSTEM MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS ACCEPTED. USABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. NOTIFY OWNER AND LOCAL FIRE SERVICE AT LEAST 72 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTSIDE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA. PROVIDE A 24 HOUR MANAGED WATCH IN ANY AREA WHERE THE FIRE ALARM SYSTEM IS DISABLED.

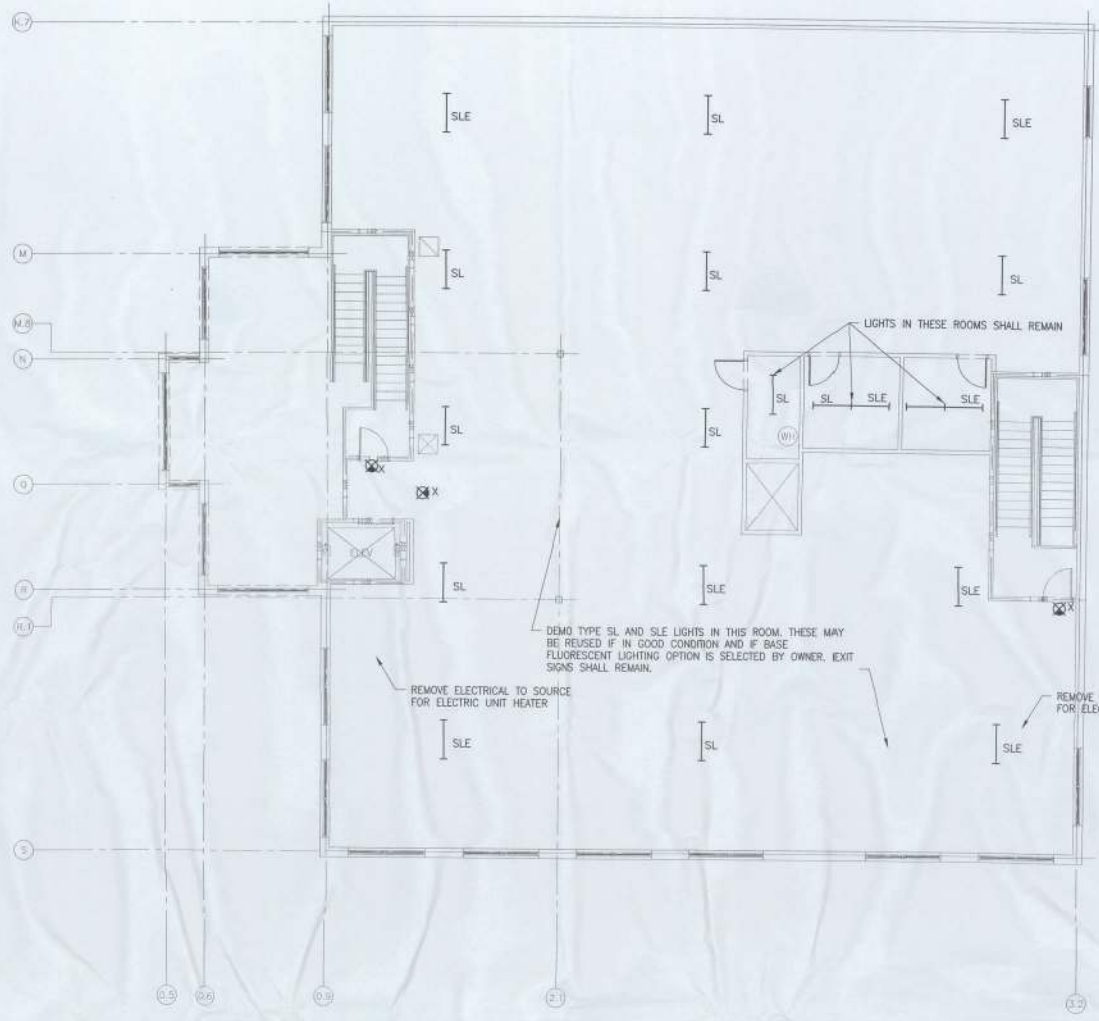
- REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
- REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY.
- REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES, CUT CONCEALED CONDUIT FLUSH WITH WALLS AND FLOORS, CAP, AND PATCH SURFACES.
- DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CIRCUIT SERVING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS IF ROADS WHICH REMAIN AS SPONGE POINTS ARE NOT REMOVED.
- DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND DISTRIBUTION EQUIPMENT.
- DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.
- DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE ALL BRACKETS, STEMS, HANGERS, AND OTHER ACCESSORIES.
- ALL SALVAGEABLE MATERIAL SHALL REMAIN THE PROPERTY OF THE OWNER. MOVE TO AND STORE AT A LOCATION ON SITE AS DIRECTED BY THE OWNER. IF THE OWNER CHOOSES NOT TO TAKE POSSESSION OF ALL OR SOME PORTION OF SALVAGEABLE MATERIAL, REMOVE THAT MATERIAL FROM SITE AND DISPOSE OF PROPERLY. OBTAIN A RECEIPT FOR ALL ITEMS REMOVED FROM THE SITE.
- REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.
- MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. REPAIR REINSTALLATION OR PROVIDE ACCESS PANELS AS APPROPRIATE.
- EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS COMPATIBLE WITH EXISTING ELECTRICAL INSTALLATIONS, OR AS SPECIFIED.
- THE CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ANY MODIFICATIONS TO EXISTING SYSTEMS AND SHALL UPON COMPLETION DELIVER "AS-BUILT" DRAWINGS TO THE OWNER INDICATING ANY SUCH CHANGES.
- ALL EXISTING DEVICES AND FIXTURES IN THE PATH OF RENOVATION SHALL BE REMOVED BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN EXISTING CIRCULARITY TO ALL REMAINING DEVICES AND FIXTURES, FOR EACH DEVICE OR FEATURE REMOVED AT THE END OF A CIRCUIT. CONTRACTOR SHALL REMOVE



UNITED STATES COLD STORAGE
 SECOND FLOOR OFFICE BUILD-OUT
 LAKE CITY, FLORIDA

ELECTRICAL LEGEND, LUMINAIRE SCHEDULE, & GENERAL NOTES

DATE:	CAS
DESIGNED BY:	JRP
CHECKED:	AS NOTED
E001	DRAWING NO.



N
ELECTRICAL DEMOLITION PLAN
 SCALE 3/16" = 1'-0"
 0' 1' 2' 3' 4' 5'



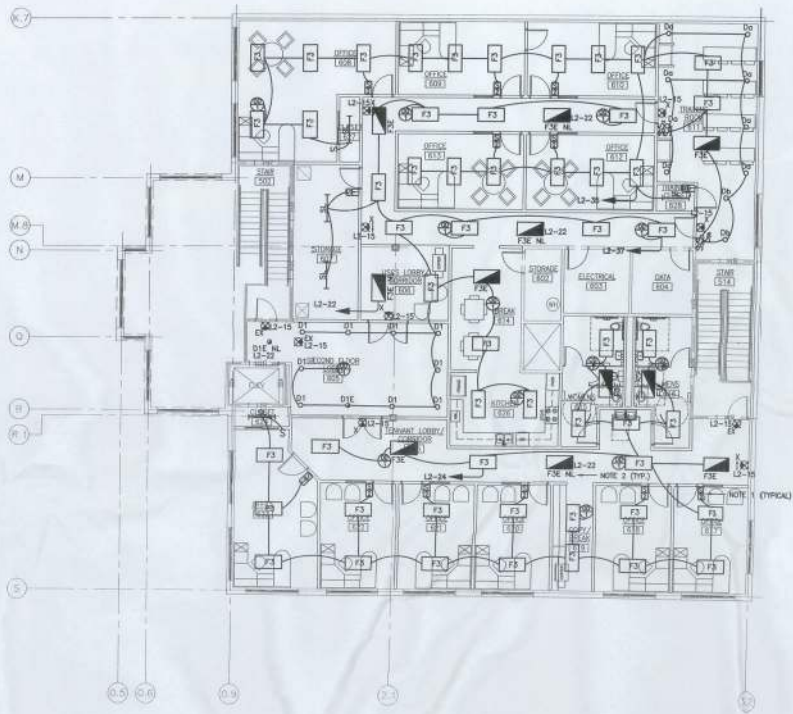
**UNITED STATES COLD STORAGE
 SECOND FLOOR OFFICE BUILD-OUT
 LAKE CITY, FLORIDA**

**ELECTRICAL
 DEMOLITION
 PLAN**

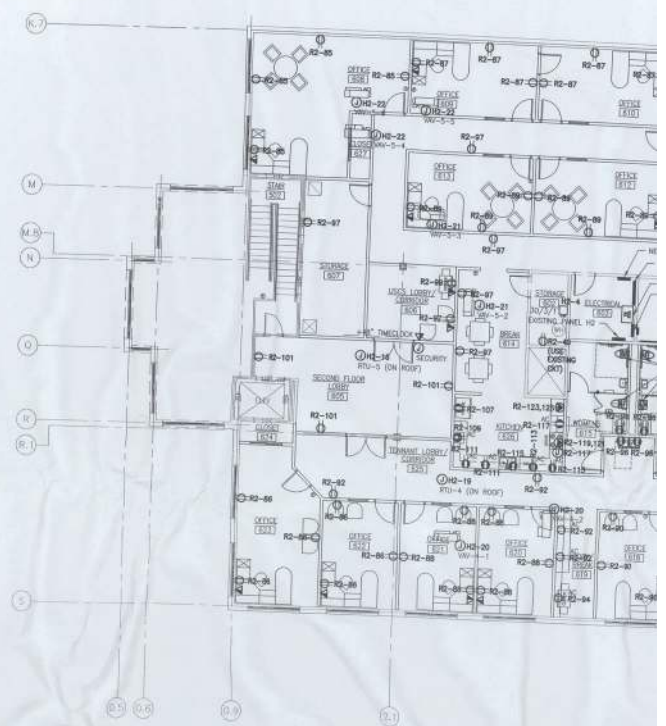
1. The owner shall provide all necessary permits and approvals for this work.
 2. The contractor shall be responsible for obtaining all necessary permits and approvals for this work.
 3. The contractor shall be responsible for the safety of all workers and the public during the course of the work.
 4. The contractor shall be responsible for the protection of all existing utilities and structures on the site.

NO.	DATE	DESCRIPTION

JOB NO. 71005332
 DRAWN: CAS
 CHECKED: JRP
 SCALE: AS NOTED

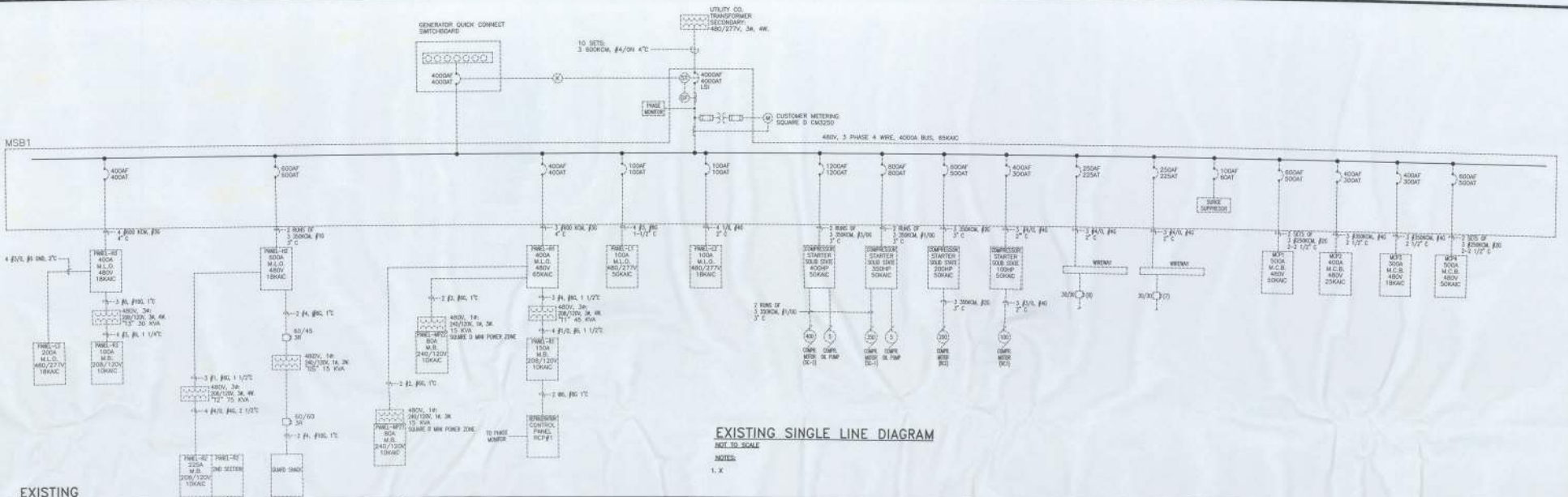


N
LIGHTING PLAN
SCALE 1/8" = 1'-0"
0 2 4 6 8 10



N
POWER PLAN
SCALE 1/8" = 1'-0"
0 2 4 6 8 10

- NOTES:
1. SWITCH DIMER AND CUTTER BALLASTS SEPARATELY FOR F3 LIGHTS IN ALL OFFICES AND TRAINING ROOM, #112). ALTERNATE TO SELECTED PROVIDER, FULL RANGE 0-10V DIMMING SWITCH COMPATIBLE WITH LUMINAIRE.
 2. "M" DESIGNATION STANDS FOR HIGHLIGHT. THESE FIXTURES SHALL BE WIRED ALWAYS ON, UNWITCHED.



EXISTING SINGLE LINE DIAGRAM
 NOT TO SCALE

NOTES:
 1. X

EXISTING NEW

PROVIDE 100A/300V BREAKER IN PANEL R2 MATCH EXISTING TYPE AND AIC RATING.

NEW PANEL SECTION

SERVICE CALC. - NEW
 EXISTING PEAK DEMAND: 181.30A @ 0.80PF = 242.6A
 EXISTING PEAK DEMAND * 1.25 (20A) * 1.25 = 303.8A
 EXISTING CAPACITY BEFORE NEW LOADS: 4000A - 303.8A = 370A
 ESTIMATED NEW LOAD ADDED: 174.9A = 203A

BREAKER CALC.
 EXISTING PEAK DEMAND PANEL NO. 75A
 EXISTING PEAK DEMAND * 1.25 (75A) * 1.25 = 84A
 REMAINING CAPACITY BEFORE NEW LOADS: 600A - 84A = 516A
 ESTIMATED NEW LOAD ADDED: 188.9A = 203A

LOADING PEAK DEMAND PANEL NO. 23A
 EXISTING PEAK DEMAND * 1.25 (20A) * 1.25 = 40A
 EXISTING PEAK DEMAND * 1.25 (20A) * 1.25 = 40A
 REMAINING CAPACITY BEFORE NEW LOADS: 200A - 40A = 160A
 ESTIMATED NEW LOAD ADDED: 200A = 50A

MSB1		480/277 VOLTS, 3Ø 4 WIRE	18,000 AIC
SECTION: ELECTRICAL ROOM 200		4000 AMP MAIN BREAKER	M.L.O. 240 VOLTS
FEED FROM UTILITY TRANSFORMER		FLUSH	FLUSH
NO.		DESCRIPTION OF LOAD	WIRE AND CONDUIT
1	PANEL L1	3 100 100 1	SEE SINGLE LINE DIAGRAM
2	PANEL L2	3 100 100 1	54.6
3	PANEL M1	3 400 400 1	150.0
4	PANEL H0	3 800 800 1	142.8
5	PANEL H0	3 800 800 1	217.5
6	COMPRESSOR INCT (100HP)	3 400 400 1	103.0
7	COMPRESSOR INCT (200HP)	3 800 800 1	189.2
8	COMPRESSOR SC1 (350HP)	3 800 800 1	243.6
9	COMPRESSOR SC2 (400HP)	3 1200 1200 1	385.0
10	INTERWAY (BATTERY CHARGING)	3 250 250 1	150.0
11	INTERWAY (BATTERY CHARGING)	3 250 250 1	150.0
12	MCPT	3 800 800 1	257.9
13	MCPT	3 400 400 1	128.9
14	MCPT	3 800 800 1	318.4
15	MCPT	3 800 800 1	318.4
16	SPARE	3 100 100 1	54.6
17	SPARE	3 100 100 1	54.6
18	SPARE	3 100 100 1	54.6
19	SPARE	3 100 100 1	54.6
20	SPARE	3 100 100 1	54.6
		TOTAL CONNECTED KVA:	3261.2

R2		208/120 VOLTS, 3Ø 4 WIRE	10,000 AIC
SECTION: ELECTRICAL ROOM 803		225 AMP MAIN BREAKER	M.L.O. 240 VOLTS
FEED FROM PANEL NO. 23A TRANSFORMER		FLUSH	FLUSH
NO.		DESCRIPTION OF LOAD	WIRE AND CONDUIT
1	RECEPT - ROOF	3 11 11 1	3.20
2	RECEPT - ROOF	3 11 11 1	3.20
3	RECEPT - ROOF	3 11 11 1	3.20
4	RECEPT - ROOF	3 11 11 1	3.20
5	RECEPT - ROOF	3 11 11 1	3.20
6	RECEPT - ROOF	3 11 11 1	3.20
7	RECEPT - ROOF	3 11 11 1	3.20
8	RECEPT - ROOF	3 11 11 1	3.20
9	RECEPT - ROOF	3 11 11 1	3.20
10	RECEPT - ROOF	3 11 11 1	3.20
11	RECEPT - ROOF	3 11 11 1	3.20
12	RECEPT - ROOF	3 11 11 1	3.20
13	RECEPT - ROOF	3 11 11 1	3.20
14	RECEPT - ROOF	3 11 11 1	3.20
15	RECEPT - ROOF	3 11 11 1	3.20
16	RECEPT - ROOF	3 11 11 1	3.20
17	RECEPT - ROOF	3 11 11 1	3.20
18	RECEPT - ROOF	3 11 11 1	3.20
19	RECEPT - ROOF	3 11 11 1	3.20
20	RECEPT - ROOF	3 11 11 1	3.20
21	RECEPT - ROOF	3 11 11 1	3.20
22	RECEPT - ROOF	3 11 11 1	3.20
23	RECEPT - ROOF	3 11 11 1	3.20
24	RECEPT - ROOF	3 11 11 1	3.20
25	RECEPT - ROOF	3 11 11 1	3.20
26	RECEPT - ROOF	3 11 11 1	3.20
27	RECEPT - ROOF	3 11 11 1	3.20
28	RECEPT - ROOF	3 11 11 1	3.20
29	RECEPT - ROOF	3 11 11 1	3.20
30	RECEPT - ROOF	3 11 11 1	3.20
		TOTAL LOAD KVA:	35.0

R2 (SECT. 3)		208/120 VOLTS, 3Ø 4 WIRE	10,000 AIC
SECTION: ELECTRICAL ROOM 803		225 AMP MAIN BREAKER	M.L.O. 240 VOLTS
FEED FROM SECTION 2		FLUSH	FLUSH
NO.		DESCRIPTION OF LOAD	WIRE AND CONDUIT
1	RECEPT - OFFICE 808	3 80 80 1	88.30
2	RECEPT - OFFICE 810	3 80 80 1	88.30
3	RECEPT - OFFICE 811, 812	3 80 80 1	88.30
4	RECEPT - TRAINING	3 80 80 1	88.30
5	RECEPT - TRAINING	3 80 80 1	88.30
6	RECEPT - STORAGE, LOBBY/CORRIDOR, BREAK	3 80 80 1	88.30
7	RECEPT - LOBBY COFFER	3 80 80 1	88.30
8	RECEPT - 2ND FLOOR LOBBY	3 80 80 1	88.30
9	RECEPT - SPARE	3 80 80 1	88.30
10	RECEPT - SPARE	3 80 80 1	88.30
11	RECEPT - SPARE	3 80 80 1	88.30
12	RECEPT - SPARE	3 80 80 1	88.30
13	RECEPT - SPARE	3 80 80 1	88.30
14	RECEPT - SPARE	3 80 80 1	88.30
15	RECEPT - SPARE	3 80 80 1	88.30
16	RECEPT - SPARE	3 80 80 1	88.30
17	RECEPT - SPARE	3 80 80 1	88.30
18	RECEPT - SPARE	3 80 80 1	88.30
19	RECEPT - SPARE	3 80 80 1	88.30
20	RECEPT - SPARE	3 80 80 1	88.30
21	RECEPT - SPARE	3 80 80 1	88.30
22	RECEPT - SPARE	3 80 80 1	88.30
23	RECEPT - SPARE	3 80 80 1	88.30
24	RECEPT - SPARE	3 80 80 1	88.30
25	RECEPT - SPARE	3 80 80 1	88.30
26	RECEPT - SPARE	3 80 80 1	88.30
27	RECEPT - SPARE	3 80 80 1	88.30
28	RECEPT - SPARE	3 80 80 1	88.30
29	RECEPT - SPARE	3 80 80 1	88.30
30	RECEPT - SPARE	3 80 80 1	88.30
		TOTAL LOAD KVA:	30.5

H2		480/277 VOLTS, 3Ø 4 WIRE	18,000 AIC
SECTION: ELECTRICAL ROOM 803		500 AMP MAIN BREAKER	M.L.O. 480 VOLTS
FEED FROM UTILITY TRANSFORMER		FLUSH	FLUSH
NO.		DESCRIPTION OF LOAD	WIRE AND CONDUIT
1	WATER HEATER (4.5 KW)	3 100 95 1.3 #12, #12 GND, 3/4"	4.5
2	TRU-1	3 100 70 1.3 #8, #8 GND, 1"	34.8
3	TRU-2	3 100 70 1.3 #8, #8 GND, 1"	34.8
4	DH-2 (4.5 KW) (EXISTING SPARE)	3 100 70 1.3 #8, #8 GND, 1"	49.8
5	WV-1 & WV-4	3 100 70 1.3 #12, #12 GND, 3/4"	4.5
6	WV-2	3 100 70 1.3 #12, #12 GND, 3/4"	9.0
7	WV-3	3 100 70 1.3 #12, #12 GND, 3/4"	9.0
8	WV-4	3 100 70 1.3 #12, #12 GND, 3/4"	9.0
9	WV-5 & WV-9	3 100 70 1.3 #12, #12 GND, 3/4"	10.0
10	WV-6	3 100 70 1.3 #12, #12 GND, 3/4"	9.0
11	ELEVATOR	3 100 70 1.3 #8, #8 GND, 1"	37.4
12			
13	PANEL R2 (VA TRANSFORMER T2)	3 225 128 1	11.0
14	CLIMATE SPACE (VA TRANSFORMER T2)	3 100 45 1	39.8
15	WV-3 & WV-10	3 100 200 1.3 #12, #12 GND, 3/4"	5.0
16	TRU-5 (OLD EHN CHPT)	3 100 70 1.3 #8, #8 GND, 1"	49.8
17	LEFT STATION (2 @ 1.5HP)	3 100 15 1.3 #12, #12 GND, 3/4"	4.5
18	WATER HEATER (4.5 KW)	3 100 95 1.3 #12, #12 GND, 3/4"	4.5
19	WV-4	3 100 90 1.3 #8, #8 GND, 3/4"	38.2
20	WV-1 THRU 4-3	3 100 300 1.3 #10, #10 GND, 3/4"	16.0
21	WV-5-1 THRU 5-3	3 100 300 1.3 #10, #10 GND, 3/4"	16.0
22	WV-5-4 THRU 5-6	3 100 300 1.3 #10, #10 GND, 3/4"	16.0
		TOTAL CONNECTED KVA:	413.2

GENERAL NOTES WHICH APPLY TO ALL CONDITIONS:

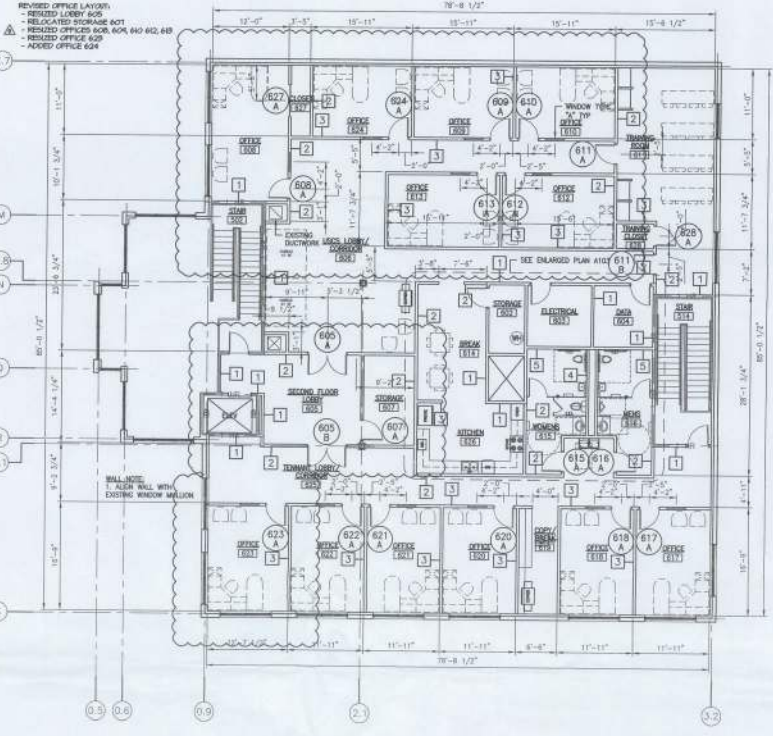
- THE ELECTRICAL CONTRACTOR IS ENCOURAGED TO CONTACT THE STELLAR GROUP ELECTRICAL ENGINEERING DEPARTMENT TO VERIFY THAT THE DRAWINGS AND SPECIFICATIONS ARE CURRENT AT ALL TIMES. FAILURE TO DO SO WILL BE CONSIDERED NEGLIGENT WORK AND ALL DISCREPANCIES CORRECTED WITH NO EXPENSE TO THE STELLAR GROUP OR FACILITY OWNER.
- ALL WORK SHALL BE FULLY RATED FOR AVAILABLE FAULT CURRENT. SERIES / INTENSIFIED RATINGS ARE NOT ACCEPTABLE.
- ELECTRICAL SPARE BREAKERS IN EXISTING PANELS WHEN AVAILABLE. PROVIDE NEW BREAKERS AS NEEDED OR AS INDICATED.
- EXISTING LOADS SHOWN ON PANELS IN LIGHTER SHADE. NEW LOADS SHOWN IN DARKER SHADE.

SECT. 3 NOTES WHICH APPLY AS SPECIFIED:

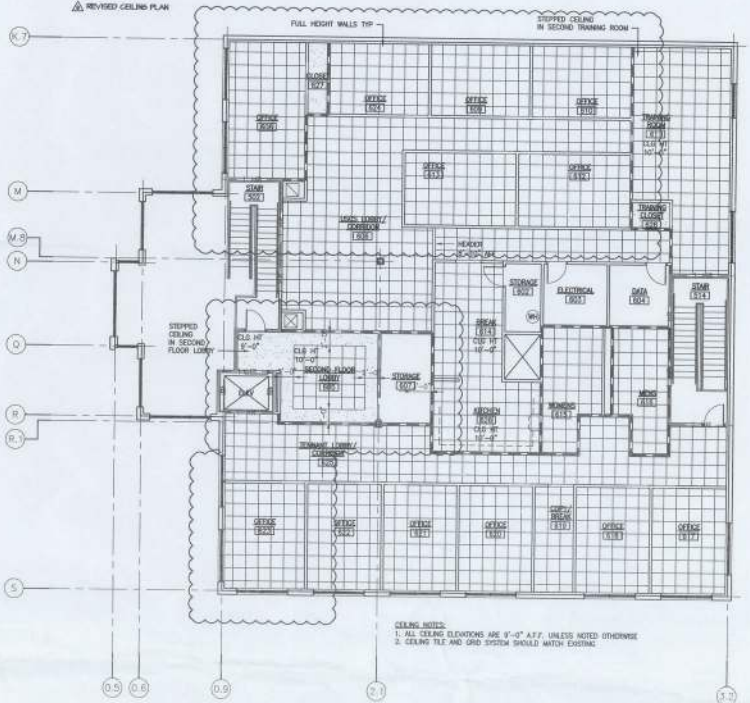
- PROVIDE NEW BREAKER IN EXISTING PANEL. USE EMPTY BREAKER SPACE TO MOUNT BREAKER IF AVAILABLE. OTHERWISE REPLACE EXISTING SPARE BREAKER MATCH EXISTING TYPE AND AIC RATING.
- NOT USED.

GENERAL NOTES WHICH APPLY TO ALL CONDITIONS:

- VARIOUS TO CIRCUIT POSITIONS ON PANELS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL FROM ENGINEER. UN-APPROVED VARIATIONS WILL BE CORRECTED WITH NO EXPENSE TO THE STELLAR GROUP OR FACILITY OWNER.
- ALL WORK SHALL BE FULLY RATED FOR AVAILABLE FAULT CURRENT. SERIES / INTENSIFIED RATINGS ARE NOT ACCEPTABLE.
- ELECTRICAL SPARE BREAKERS IN EXISTING PANELS WHEN AVAILABLE. PROVIDE NEW BREAKERS AS NEEDED OR AS INDICATED.
- EXISTING LOADS SHOWN ON PANELS IN LIGHTER SHADE. NEW LOADS SHOWN IN DARKER SHADE.



ENLARGED OFFICE FLOOR PLAN
 SCALE: 1/8" = 1'-0"



REFLECTED CEILING FLOOR PLAN
 SCALE: 1/8" = 1'-0"

WALL TYPES

- EXISTING WALL - FINISH AS SCHEDULED
- 3/8" OPSYUM WALLBOARD EA. SIDE ON 3/8" METAL STUDS @ 16" O.C. WITH INSULATION (SOUND ATTENUATION) EXTEND UP TO THE UNDERSIDE OF METAL DECK.
- 3/8" OPSYUM WALLBOARD EA. SIDE ON 2 5/8" METAL STUDS @ 16" O.C. STOP #7 ABOVE CEILING GRID

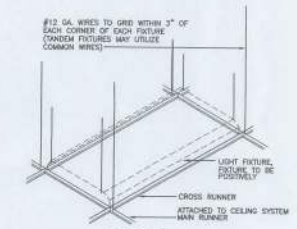
ISEE CHASE

- 1"-0" CLEAR BETWEEN (2) 3 5/8" 20 GA. METAL STUDS @ 16" O.C. W/ 3/8" OPSYUM WALL BOARD ON EACH FINISH SIDE. PROVIDE ONE SIDE OF WALL W/ INSULATION (SOUND ATTENUATION) & EXTEND REGULATOR & WALL UP TO THE UNDERSIDE OF METAL DECK.
- ABOUT EXISTING WALL 3/8" OPSYUM WALLBOARD ON 3 5/8" METAL STUDS @ 16" O.C. WITH INSULATION (SOUND ATTENUATION) EXTEND UP TO THE UNDERSIDE OF METAL DECK.

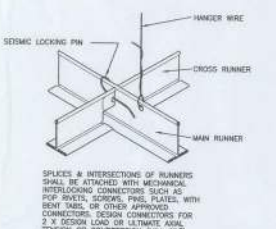
WALL NOTE: REPAIR, PATCH, AND PREP EXISTING WALL AS REQUIRED FOR NEW FINISH.

SUSPENDED CEILING NOTES

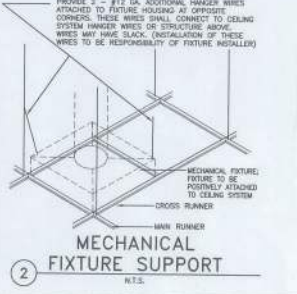
- SUSPENSION**
 - VERTICAL HANGER WIRES SHALL BE #12 GA. WIRE AT 4'-0" O.C. ALONG EACH MAIN RUNNER. HANGER WIRES SHALL NOT HAVE MORE THAN 1 IN. 45°-90° BENDS UNLESS COUNTER SLOPING WIRES ARE PROVIDED. WIRES SHALL NOT ATTACH TO, BEAD, BENDING OR REST ATTACHED TO CEILING SUSPENSION MEMBER AND TO SUPPORT ABOVE WITH A MINIMUM OF THREE (3) TIGHT TURNS. ANY CONNECTION ABOVE AT THE SUPPORTING CONNECTION SHALL BE CAPABLE OF SUPPORTING NOT LESS THAN ONE HUNDRED (100) POUNDS. VERTICAL WIRES TO START AT A MAXIMUM OF 8" OFF FACE OF WALLS FOR CROSS AND MAIN RUNNERS.
 - PRINTER HANGERS, TERMINAL ENDS OF EACH CROSS RUNNER AND MAIN RUNNER SHALL BE SUPPORTED INDEPENDENTLY A MAXIMUM OF EIGHT (8) INCHES FROM EACH FACE OF WALL OR CEILING DISCONTINUITY WITH A #12 GA. WIRE.
 - LATERAL FORCE BRACING: PROVIDE FOUR (4) #12 GA. WIRES SECURED TO MAIN RUNNER WITH TWO (2) INCHES OF THE CROSS RUNNER INTERSECTION AND STAYED HANGERS (SH) DERIVES FROM EACH OTHER AND AT AN ANGLE NOT EXCEEDING FORTY-FIVE (45) DEGREES FROM THE PLANE OF THE CEILING. A CROSS FASTENED TO THE MAIN RUNNER SHALL BE EXTENDED AND FASTENED TO THE STRUCTURAL MEMBERS SUPPORTING THE FLOOR OR FLOOR ABOVE. THE STAY SHALL BE ADEQUATE TO THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES. THESE HORIZONTAL RESTRAINTS SHALL BE PLACED FIVE (5) FEET O.C. IN BOTH DIRECTIONS WITH THE FIRST BRACING MEMBER SHALL HAVE A MINIMUM OF SIX (6) INCHES FROM ALL HORIZONTAL FINISH OR STRUCTURE THAT IS NOT PROVIDED WITH BRACING RESTRAINTS FOR HORIZONTAL FORCES.
 - ENDS OF MAIN RUNNERS AND CROSS RUNNERS SHALL BE TIED TOGETHER TO PREVENT THEIR SPREADING.
 - MAIN RUNNERS AND CROSS RUNNERS MAY BE ATTACHED TO WALL ANGLE AT TWO (2) ADJACENT WALLS ONLY. CLEARANCE BETWEEN WALL AND RUNNERS SHALL BE MAINTAINED AT THE OTHER TWO (2) WALLS.
- LIGHTING FIXTURES**
 - ATTACH #12 GA. HANGER WIRE TO THE GRID MEMBERS WITHIN THREE (3) INCHES OF EACH CORNER OF EACH FIXTURE. HANGERS FOR LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. THE ATTACHMENT DEVICE SHALL HAVE A CAPACITY OF ONE HUNDRED (100) PERCENT OF THE FIXTURE WEIGHT IN ANY DIRECTION. IN ADDITION, THE FIXTURE SHALL SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF FOUR (4) #12 GA. WIRES, ONE LOCATED AT EACH CORNER. (SEE DETAIL)
- MECHANICAL FIXTURES**
 - CEILING MOUNTED MECHANICAL UNITS SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION MAIN RUNNERS OR TO CROSS RUNNERS. IN ADDITION, THE FIXTURE SHALL HAVE TWO (2) #12 GA. HANGER WIRES CONNECTED FROM THE FIXTURE HOUSING TO THE CEILING SYSTEM HANGERS OR TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK. (SEE DETAIL)



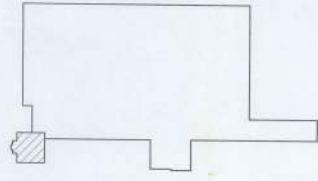
1 LIGHT FIXTURE SUPPORT
 N.T.S.



3 SPLICE DETAIL
 N.T.S.



2 MECHANICAL FIXTURE SUPPORT
 N.T.S.



KEY PLAN
 NOT TO SCALE

Amendments



