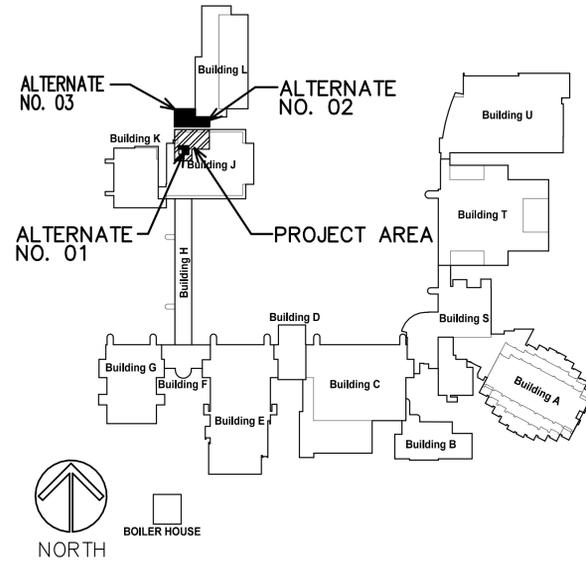
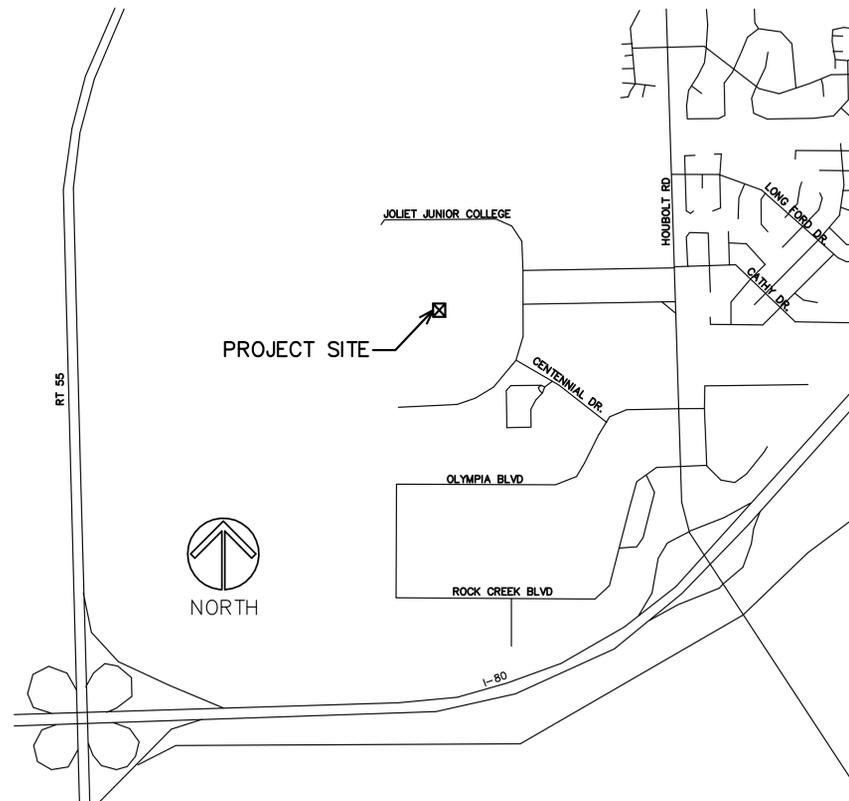


CAMPUS MAP



LOCATION MAP



INDEX OF SHEETS

- T1 PROJECT TITLE, LOCATION, INDEX OF SHEETS
 - D1 PARTIAL GROUND FLOOR DEMO PLAN
 - D2 PARTIAL GROUND FLOOR DEMO CEILING PLAN
 - A1.0 PARTIAL GROUND FLOOR PLAN
 - A1.1 PARTIAL GROUND FLOOR EQUIPMENT AND FURNITURE PLAN
 - A2.0 PARTIAL GROUND FLOOR CEILING PLAN
 - A3.0 PARTIAL GROUND FLOOR PLANS ALTERNATE NO. 01
 - A4.0 ROOM FINISH SCHEDULE, INTERIOR ELEVATIONS AND DETAILS
 - A5.0 DOOR AND FRAME SCHEDULE, DOOR DETAILS AND AND MISC. DETAILS
 - M0 MECHANICAL SCHEDULES, DETAILS AND NOTES
 - MD1 DEMO PLAN- MECHANICAL
 - M1 NEW FLOOR PLANS - MECHANICAL
 - P0 PLUMBING SCHEDULES, RISER DIAGRAM AND NOTES
 - PD1 DEMO PLAN- PLUMBING
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 - E0 ELECTRICAL SYMBOL LIST & GENERAL NOTES
 - ED1 ELECTRICAL FLOOR PLANS - DEMOLITION
 - E1 ELECTRICAL POWER PLAN AND ALTERNATE NO.01
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- ALTERNATE NO. 03
- C0.00 ALTERNATE NO. 3 SITE COVER SHEET
 - C1.00 EXISTING CONDITIONS AND DEMO PLAN
 - C2.00 PROPOSED SITE GRADING PLAN
 - C3.00 PROPOSED SITE GEOMETRY PLAN
 - C4.00 GENERAL NOTES AND CONSTRUCTION DETAILS

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T1

OF 1 SHEETS

DEMOLITION PLAN LEGEND

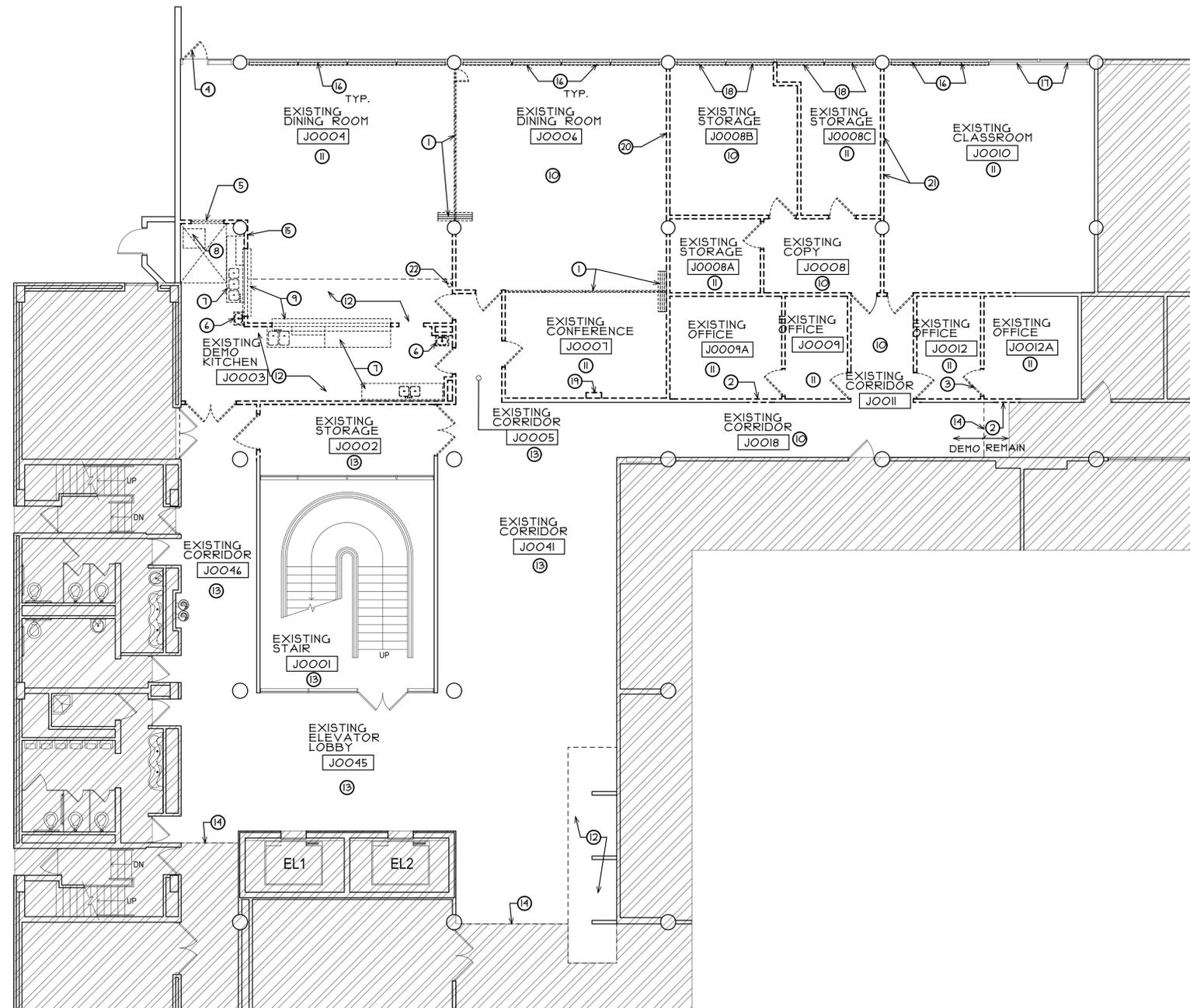
-  HATCH DENOTES AREAS NOT INCLUDED IN PROJECT SCOPE.
-  EXISTING WALLS TO REMAIN (TYPICAL)
-  EXISTING METAL STUD AND GYPSUM BOARD WALL TO BE REMOVED COMPLETELY (UNLESS NOTED OTHERWISE) VERIFY IN FIELD
-  EXISTING DOOR & FRAME TO REMAIN (TYPICAL)
-  EXISTING DOOR & FRAME TO BE REMOVED. (TYPICAL)

DEMOLITION PLAN GENERAL NOTES

- A. ALL SALVAGED ITEMS NOT REUSED SHALL BE PLACED IN STORAGE, ON SITE, AT A LOCATION DESIGNATED BY THE OWNER.
- B. ALL ITEMS REMOVED AND NOT SALVAGED SHALL BE PROPERLY DISPOSED OF OFF SITE BY THE CONTRACTOR.
- C. PATCH & REPAIR HOLES AND/OR DAMAGED SURFACES CAUSED TO ADJACENT CONSTRUCTION DURING DEMOLITION.
- D. VERIFY ANY ADDITIONAL DEMOLITION WORK REQUIRED FOR INSTALLATION OF DEVICES/EQUIPMENT.
- E. EXISTING FURNITURE AND MOVABLE EQUIPMENT TO BE REMOVED BY OWNERS STAFF. ANYTHING THAT REMAINS CONTRACTOR TO COORDINATE WITH OWNER FOR STORAGE LOCATION. (V.I.F.)
- F. DEVICES INDICATED WITH AN "EX" ARE TO BE EXISTING TO REMAIN. (V.I.F.)
- G. SAWCUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB AS REQUIRED FOR REMOVAL AND INSTALL OF NEW/DEMO PLUMBING AND ELECTRICAL WORK. SEE PLUMBING AND ELECTRICAL DRAWINGS FOR SCOPE OF WORK.

DEMOLITION PLAN KEY NOTES

- ① EXISTING FOLDING PARTITION AND SUPPORT TO BE COMPLETELY REMOVED. (V.I.F.)
- ② REMOVE PORTION OF EXISTING GYPSUM BOARD AND METAL STUD WALL FOR NEW DOOR OPENING. SEE FLOOR PLAN
- ③ EXISTING DOOR & FRAME TO BE REMOVED AND SALVAGED FOR REUSE. SEE FLOOR PLAN AND DOOR AND FRAME SCHEDULE
- ④ EXISTING FULL GLASS HOLLOW METAL DOOR TO BE REMOVED. EXISTING FRAME TO REMAIN. (V.I.F.)
- ⑤ EXISTING WINDOW AND FRAME TO BE REMOVED. (V.I.F.)
- ⑥ STAINLESS STEEL WALL HUNG HAND SINK TO BE REMOVED. SEE PLUMBING DRAWINGS.
- ⑦ STAINLESS STEEL KITCHEN COUNTER AND SINK TO BE REMOVED. SALVAGE TO OWNER.
- ⑧ KITCHEN OVEN TO BE REMOVED AND SALVAGED TO OWNER. SEE PLUMBING AND ELECTRICAL DRAWINGS.
- ⑨ STAINLESS STEEL SERVING WINDOW AND SHELF TO BE REMOVED. (V.I.F.)
- ⑩ EXISTING VCT FLOORING AND WALL BASE TO BE COMPLETELY REMOVED.
- ⑪ EXISTING CARPET AND WALL BASE TO BE COMPLETELY REMOVED.
- ⑫ EXISTING FLOOR TILE, TILE BASE AND MORTAR TO BE COMPLETELY REMOVED. (V.I.F.)
- ⑬ EXISTING FLOORING AND WALL BASE TO BE REMOVED. VERIFY IN FIELD EXTENT OF FLOORING IN THIS AREA THAT IS ALREADY REMOVED BY OWNER ABATEMENT VENDOR.
- ⑭ LINE REPRESENTS EXTENT OF FLOORING WORK. (V.I.F.)
- ⑮ EXISTING WALL MOUNTED TV MONITOR BRACKET TO BE REMOVED. (MONITOR TO BE REMOVED BY OWNERS STAFF)
- ⑯ EXISTING ROLLING SHADES TO BE REMOVED AND SALVAGED TO OWNER. (V.I.F.)
- ⑰ EXISTING ROLLING SHADES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. (V.I.F.)
- ⑱ EXISTING VERTICAL BLINDS TO BE REMOVED. (V.I.F.)
- ⑲ EXISTING GYPSUM BOARD AND METAL STUD CHASE BUMP TO BE REMOVED. SEE PLUMBING DRAWINGS. (V.I.F.)
- ⑳ EXISTING WHITE BOARD TO BE REMOVED. (V.I.F.)
- ㉑ EXISTING COAT RACK TO BE REMOVED. (V.I.F.)
- ㉒ EXISTING WALL HUNG FIRE EXTINGUISHER TO BE REMOVED AND SALVAGED. (V.I.F.)



PARTIAL GROUND FLOOR DEMOLITION FLOOR PLAN
 NORTH SCALE: 1/8" = 1'-0"

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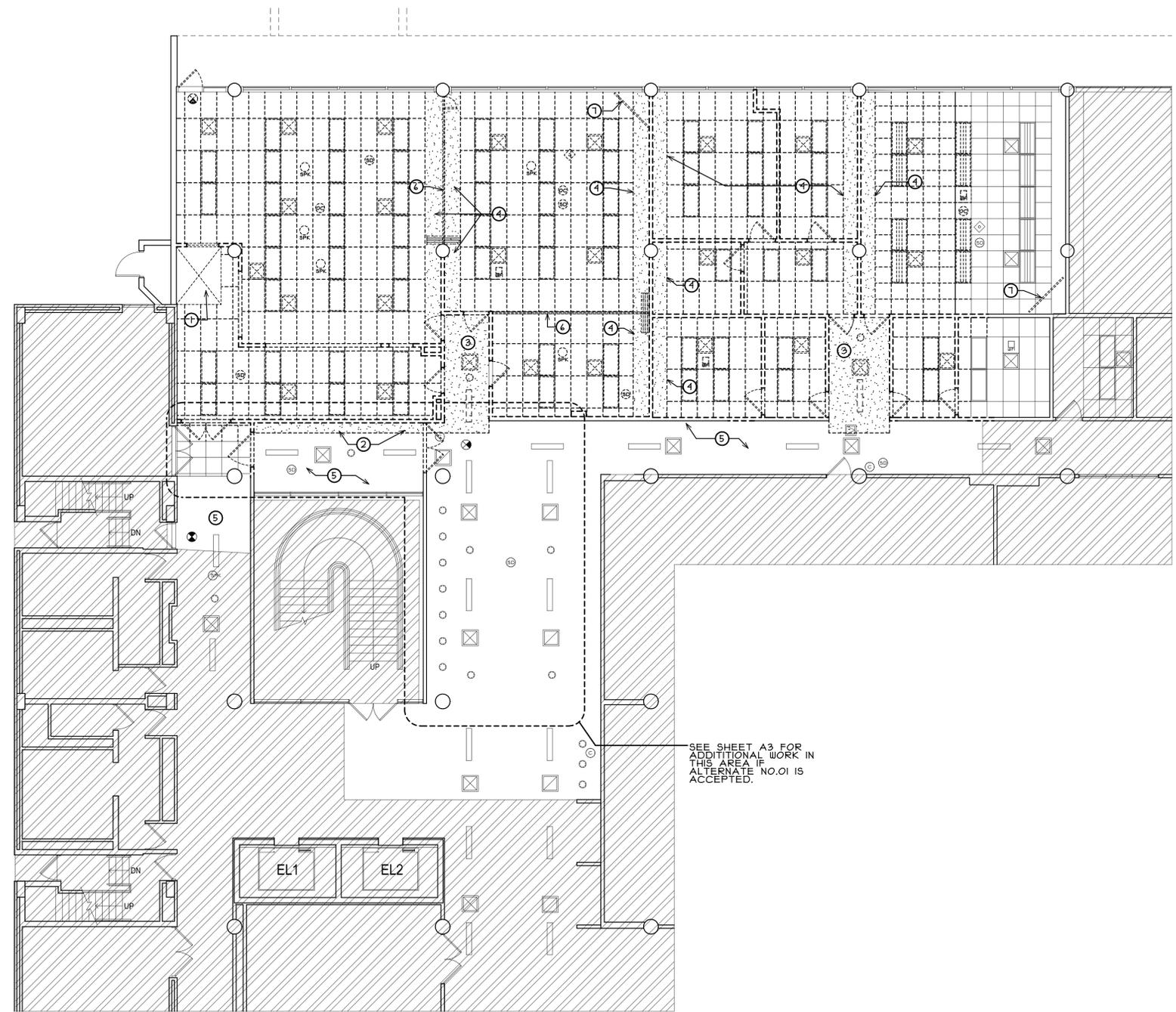
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PARTIAL GROUND FLOOR DEMOLITION CEILING PLAN
 NORTH SCALE: 1/8" = 1'-0"

SEE SHEET A3 FOR ADDITIONAL WORK IN THIS AREA IF ALTERNATE NO.01 IS ACCEPTED.

DEMO CEILING PLAN LEGEND

- ITEMS SHOWN ON CEILING PLAN BUT NOT NOTED IN CEILING LEGEND BELOW ARE EXISTING TO REMAIN. (V.I.F.)
- HATCH DENOTES AREAS NOT INCLUDED IN PROJECT SCOPE
 - DENOTES EXISTING SUSPENDED CEILING GRID SYSTEM AND ACOUSTICAL PANELS TO REMAIN (U.N.O.)
 - DENOTES EXISTING ACOUSTICAL CEILING PANEL AND GRID SYSTEM TO BE REMOVED.
 - DENOTES EXISTING LAY-IN LIGHTING FIXTURE TO BE REMOVED. SEE ELECTRICAL DRAWINGS. (V.I.F.)
 - DENOTES EXISTING SURFACE MOUNTED LIGHT FIXTURE TO BE REMOVED. SEE ELECTRICAL DRAWINGS
 - DENOTES EXISTING LAY-IN SUPPLY DIFFUSER IN ACOUSTIC CEILING TO BE REMOVED. SEE MECHANICAL DRAWINGS
 - DENOTES EXISTING OCCUPANCY SENSOR TO BE REMOVED. SEE ELECTRICAL DRAWINGS
 - DENOTES EXISTING WIFI ANTENNA AND CEILING PLATE TO BE REMOVED BY OWNERS STAFF. SEE ELECTRICAL DRAWINGS
 - DENOTES EXISTING SMOKE DETECTOR TO BE REMOVED AND AND SALVAGED TO OWNER.
 - DENOTES EXISTING CEILING SPEAKER TO BE REMOVED AND AND SALVAGED TO OWNER.
 - DENOTES EXISTING EXIST SIGN FIXTURE TO BE REMOVED. SEE ELECTRICAL DRAWINGS
 - DENOTES EXISTING ABANDON RECESSED LIGHT FIXTURE HOUSING AND COVER PLATE TO BE REMOVED. SEE ELECTRICAL DRAWINGS
 - DENOTES EXISTING PROJECTOR MOUNT TO BE COMPLETELY REMOVED (V.I.F.) SEE ELECTRICAL DRAWINGS (EXISTING PROJECTOR TO BE REMOVED AND INSTALLED BY OWNERS STAFF)

DEMO CEILING PLAN GENERAL NOTES

- A. ALL SALVAGED ITEMS NOT REUSED SHALL BE PLACED IN STORAGE ON SITE, AT A LOCATION DESIGNATED BY THE OWNER.
- B. ALL ITEMS REMOVED AND NOT SALVAGED SHALL BE PROPERLY DISPOSED OF OFF SITE BY THE CONTRACTOR.
- C. PATCH & REPAIR ALL EXISTING GYPSUM BOARD SURFACES TO "LIKE NEW" CONDITION PRIOR TO INSTALLING NEW FINISHES.
- D. COORDINATE WITH AND ALLOW OWNER'S SEPARATE VENDORS ACCESS TO CEILING INTERSTITIAL SPACES FOR INSTALLATION OF WIRING AND EQUIPMENT PRIOR TO INSTALLING LAY IN CEILING PANELS.

DEMO CEILING PLAN KEY NOTES

- ① EXISTING KITCHEN EXHAUST HOOD, DUCT WORK, AND ROOF TOP EXHAUST FAN TO BE COMPLETELY REMOVED. EXISTING ROOF CURB AND EXTERIOR WALL LOUVER TO REMAIN. (V.I.F.) SEE MECHANICAL AND ELECTRICAL DRAWINGS.
- ② PORTION OF EXISTING GYPSUM BOARD CEILING TO BE REMOVED FOR DEMO AND INSTALLATION OF NEW PARTITION WALL.
- ③ PORTION OF EXISTING GYPSUM BOARD CEILING TO BE REMOVED IN PROJECT AREA.
- ④ EXISTING GYPSUM BOARD HEADER AND SUSPENSION SYSTEM TO BE REMOVED COMPLETELY. (V.I.F.)
- ⑤ EXISTING GYPSUM BOARD HARD CEILING TO REMAIN. (V.I.F.)
- ⑥ EXISTING FOLDING PARTITION TRACK AND SUPPORT STRUCTURE ABOVE TO BE REMOVED. (V.I.F.)
- ⑦ EXISTING DROP DOWN PROJECTION SCREEN TO BE REMOVED. (V.I.F.)

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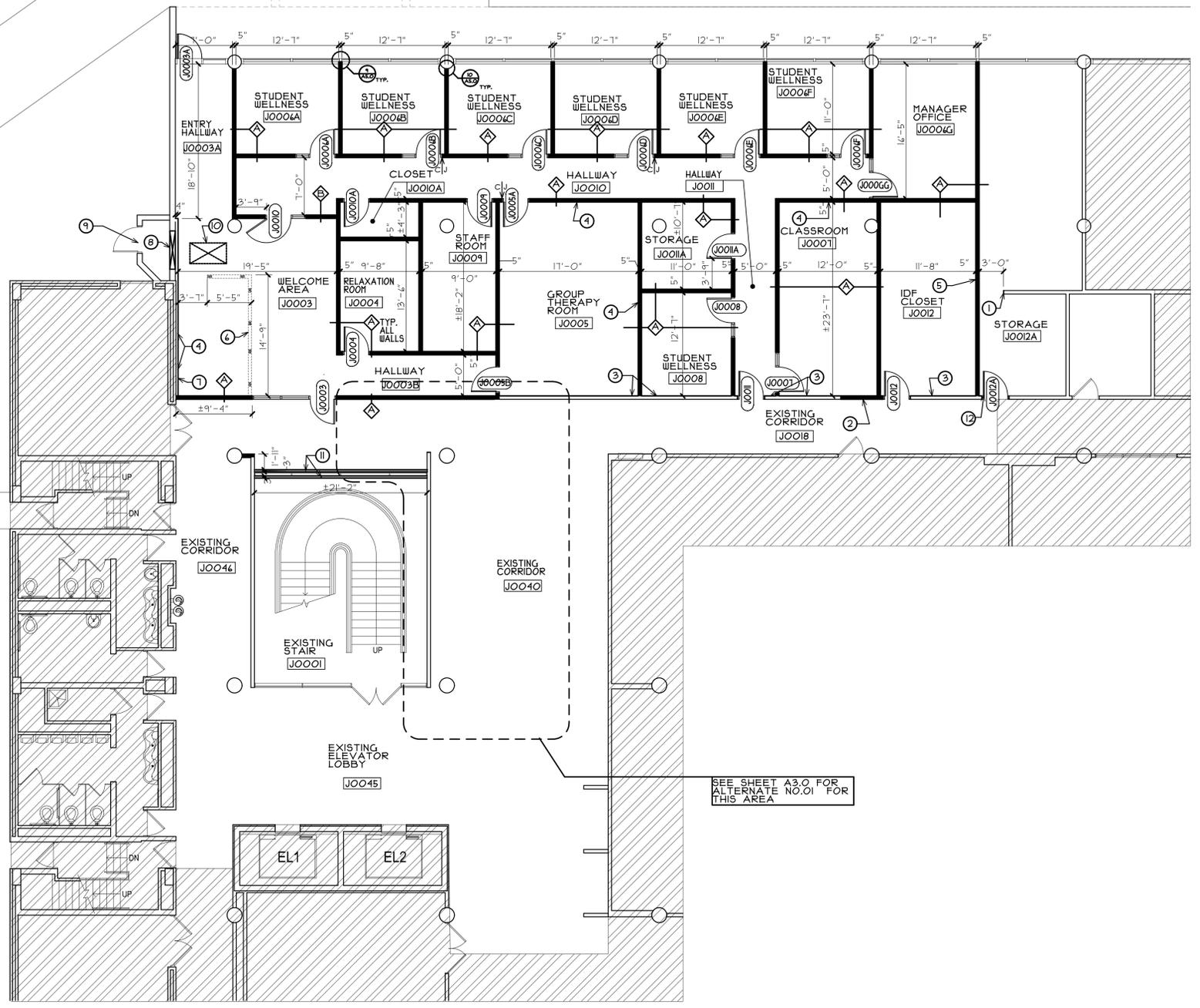
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D2

OF 2 SHEETS



FLOOR PLAN LEGEND

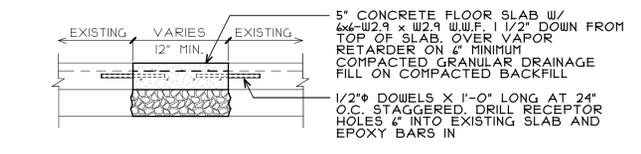
- HATCH DENOTES AREAS NOT INCLUDED IN PROJECT SCOPE.
- EXISTING WALLS TO REMAIN (TYPICAL)
- DENOTES NEW PARTITIONS, TYPE AS FOLLOWS: (U.N.O.)
- DENOTES 3 5/8" METAL STUDS AT 16" O.C. WITH 3-1/2" SOUND BLANKET INSULATION IN ALL CAVITIES, AND ONE LAYER OF 5/8" GYPSUM BOARD EACH SIDE. RUN STUDS FULL HEIGHT TO DECK ABOVE AND INSULATION AND BOTH LAYERS OF GYPSUM BOARD FULL HEIGHT TO DECK ABOVE.
- DENOTES 3 5/8" METAL STUDS AT 16" O.C. WITH 3-1/2" SOUND BLANKET INSULATION IN ALL CAVITIES, AND ONE LAYER OF 5/8" GYPSUM BOARD EACH SIDE. RUN STUDS FULL HEIGHT TO DECK ABOVE AND INSULATION AND BOTH LAYERS OF GYPSUM BOARD TO RUN 6" ABOVE FINISHED CEILING.
- EXISTING DOOR & FRAME TO REMAIN (TYPICAL)
- DENOTES NEW DOOR AND/OR FRAME. SEE DOOR MARK IN DOOR AND FRAME SCHEDULE ON DRAWING SHEET A5.0.
- PROVIDE CONTROL JOINT IN GYPSUM BOARD SURFACE AT LOCATIONS INDICATED, AND AT LOCATIONS RECOMMENDED BY THE MANUFACTURER AND INSTALLER. JOINTS TO BE FULL HEIGHT. SEE SPECIFICATIONS AND DETAIL 8 ON SHEET A5.0.

FLOOR PLAN GENERAL NOTES

- A. VERIFY ALL EXISTING DIMENSIONS IN FIELD AND REPORT ALL DISCREPANCIES PRIOR TO NEW CONSTRUCTION.
- B. PATCH & REPAIR ALL EXISTING GYPSUM BOARD SURFACES TO "LIKE NEW" CONDITION PRIOR TO INSTALLING NEW FINISHES.
- C. NEW M-E-P SERVICES IN EXISTING METAL STUD AND GYPSUM BOARD WALLS MAY BE "FISHED DOWN" IF POSSIBLE, OR THE WALL IS TO BE CHANNEL CUT AND PATCHED WITH "LIKE" MATERIALS. COORDINATE WITH M-E-P TRADES.
- D. PROVIDE ALL REQUIRED IN WALL BLOCKING FOR NEW/SALVAGED WALL HUNG EQUIPMENT. COORDINATE WITH OWNER FOR OWNER PROVIDED EQUIPMENT.
- E. ALL NEW AND EXISTING FLOOR SURFACES WITHIN THE WORK AREA ARE TO RECEIVE FLOOR FINISH AS INDICATED IN THE SPECIFICATION SECTIONS FOR NEW FLOORING.
- F. PATCH CONCRETE SLAB BACK IN AT LOCATION OF REMOVED OR NEWLY INSTALLED PLUMBING AS WELL AS NEW UNDER SLAB ELECTRICAL. SEE DETAIL 1 ON SHEET A1.0. SEE PLUMBING AND ELECTRICAL SHEETS

FLOOR PLAN KEY NOTES

- 1 AT LOCATIONS OF REMOVED WALLS (SEE DEMOLITION PLANS) EXISTING WALLS TO REMAIN ARE TO BE PATCHED WITH "LIKE" MATERIALS MATCHING ADJOINING (SIZE, THICKNESS, ETC.) V.I.F. (PATCH IN WALL BASE WITH NEW MATCHING MATERIAL)
- 2 INFILL EXISTING CORRIDOR WALL OPENING AT EXISTING DOOR NOOK. MATCH EXISTING STUD SIZE AND GYPSUM BOARD THICKNESS (V.I.F.) FILL ALL STUD CAVITIES WITH SOUND BLANKET INSULATION. (PATCH IN NEW MATCHING WALL BASE AT THIS LOCATION)
- 3 EXISTING WALL TO BE VERIFIED IF GYPSUM BOARD AND SOUND BLANKET GOES UP TO EXISTING DECK ABOVE BOTH SIDES. IF NOT PROVIDE NEW SOUND BATT FULL HEIGHT AND ONE LAYER OF 5/8" GYPSUM BOARD FULL HEIGHT UP TO DECK ABOVE ON ROOM SIDE ONLY.
- 4 PROVIDE IN WALL BLOCKING FOR TV MONITOR WALL MOUNT. COORDINATE WITH OWNER PROVIDED MOUNT AND MONITOR.
- 5 PROVIDE 4'-0" HIGH 5/8" THICK FIRE RATED PLYWOOD ON FULL WIDTH OF FINISHED GYPSUM BOARD WALL. MOUNT BOTTOM AT 24" A.F.F.
- 6 PROVIDE NEW RECEPTION HALF WALL. SEE ELEVATIONS AND SECTION ON SHEET A4.0.
- 7 FUR OUT EXISTING WALL WITH ONE LAYER OF 5/8" GYPSUM BOARD AND 1 5/8" METAL STUDS AT 16" O.C. RUN GYPSUM BOARD AND METAL STUD UP 6" ABOVE FINISHED CEILING.
- 8 PATCH EXISTING WALL AT LOCATION OF REMOVED EXHAUST FAN DUCT WORK AT BOTTOM AND TOP OF CHASE WITH "LIKE MATERIALS" (V.I.F.)
- 9 EXISTING WALL LOUVER TO REMAIN. (V.I.F.)
- 10 EXISTING ROOF CURB FOR REMOVED EXHAUST HOOD FAN ON ROOF TO REMAIN. PROVIDE NEW WATERTIGHT SHEET METAL CAP. (V.I.F.)
- 11 FUR OUT WALL IN FRONT OF EXISTING WINDOW EACH SIDE WITH ONE LAYER OF 5/8" GYPSUM BOARD AND 1 5/8" METAL STUDS AT 16" O.C. RUN GYPSUM BOARD AND METAL STUD UP BOTTOM OF CEILING ON CORRIDOR SIDE AND UP TO UNDER SIDE OF HEAD OF WINDOW ON STAIR SIDE. (FINISH TO BE FLUSH WITH WALL ABOVE WINDOW)(V.I.F.)
- 12 NEW LOCATION FOR SALVAGED DOOR. MODIFY HARDWARE AS REQUIRED FOR NEW LOCATION. (LOCK CYLINDER SET TO BE ADJUSTED FOR NEW DOOR SWING FROM "RHR" TO LEFT HAND)(V.I.F.)



SECTION AT CONCRETE FLOOR SLAB PATCH
NOT TO SCALE

PARTIAL GROUND FLOOR PLAN
NORTH SCALE: 1/8" = 1'-0"

NOTE:
GENERAL CONTRACTOR TO PROVIDE A \$20,000 ALLOWANCE IN HIS/HER BID FOR UNFORESEEN/MISCELLANEOUS CONDITIONS. WHEN FIGURING THIS ALLOWANCE IN THE BID, THE CONTRACTOR IS TO INCLUDE ALL NECESSARY OVERHEAD AND PROFIT TO CARRY THIS DOLLAR VOLUME. THIS ALLOWANCE IS NOT FOR THE CONTRACTOR'S BENEFIT, AND IS ONLY AUTHORIZED TO CHARGE AGAINST THIS ALLOWANCE WHEN DIRECTED AND APPROVED BY JOLIET JUNIOR COLLEGE. THE CONTRACTOR WILL BE ALLOWED TO INVOICE FOR DIRECT MATERIAL AND RAW LABOR COSTS ONLY.

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2403-02

SHEET NUMBER

A1.0

OF 6 SHEETS

FLOOR PLAN LEGEND

-  HATCH DENOTES AREAS NOT INCLUDED IN PROJECT SCOPE.
-  INTERIOR VIEWS INDICATED WITH THESE TAGS. REFERENCE ELEVATIONS KEYED BY THE INDICATED NUMBER ON DRAWING SHEET A4.0.
-  ALL CHANGES IN FLOOR FINISH MATERIAL OR COLOR ARE TO OCCUR UNDER CENTER OF DOOR OR AT LOCATIONS INDICATED. SEE ROOM FINISH SCHEDULE FOR FLOORING TYPE IN EACH ROOM. PROVIDE NEW TRANSITION STRIP AT MATERIAL CHANGE LOCATIONS. SEE SPECIFICATION.
-  CORNER GUARD - SEE DETAIL 1 ON SHEET A5.0. CORNER GUARD TO START AT FLOOR AND RUN UP TO 4'-0" A.F.F. (COLOR TO BE SELECTED)

FLOOR PLAN GENERAL NOTES

- A. PROVIDE ALL REQUIRED IN WALL BLOCKING FOR NEW/SALVAGED WALL HUNG EQUIPMENT. COORDINATE WITH OWNER FOR OWNER PROVIDED EQUIPMENT.
- B. FURNITURE AND EQUIPMENT (F.B.O.) SHOWN FOR REFERENCE ONLY UNLESS NOTED OTHERWISE.
- C. SEE SHEET A1.2 FOR NEW FLOORING LAYOUT

FLOOR PLAN KEY NOTES

- ① PROVIDE PAINTED ACCENT WALL (AC-1). (EGGSHELL FINISH)
- ② PROVIDE 4'-0" HIGH FULL WALL WIDTH SURFACE APPLIED WHITE BOARD. FLEX WRITE SURFACE BY "POST-IT". MOUNT TOP AT 1'-0" A.F.F.
- ③ PROVIDE 8'-0" WIDE SURFACE MOUNTED ALUMINUM MARKER TRAY WITH ANGLED CORNERS. OPTIMA-GR-ATLASRC-08 BY ATLASTRAY OR APPROVED EQUAL MOUNT AT CENTERLINE OF WALL UNDER BOTTOM EDGE OF SURFACE APPLIED WHITE BOARD.
- ④ PROVIDE MANUEL HEAVY DUTY CLUTCH ROLLER SHADE ON EACH EXTERIOR WINDOW. (LUTRON SHADING SYSTEM BY VIMCO. FABRIC - BASKETWEAVE 90, 3 PERCENT OPENNESS, COLOR CHARCOAL/GRAY WITH BRONZE FASCIA.)
- ⑤ PROVIDE MANUEL HEAVY DUTY CLUTCH ROLLER SHADE ON DOOR SIDE LITE. (LUTRON SHADING SYSTEM BY VIMCO. FABRIC - BASKETWEAVE 90, 3 PERCENT OPENNESS, (COLOR TO BE SELECTED))



**PARTIAL GROUND FLOOR
EQUIPMENT AND FURNITURE PLAN**
NORTH SCALE: 1/8" = 1'-0"

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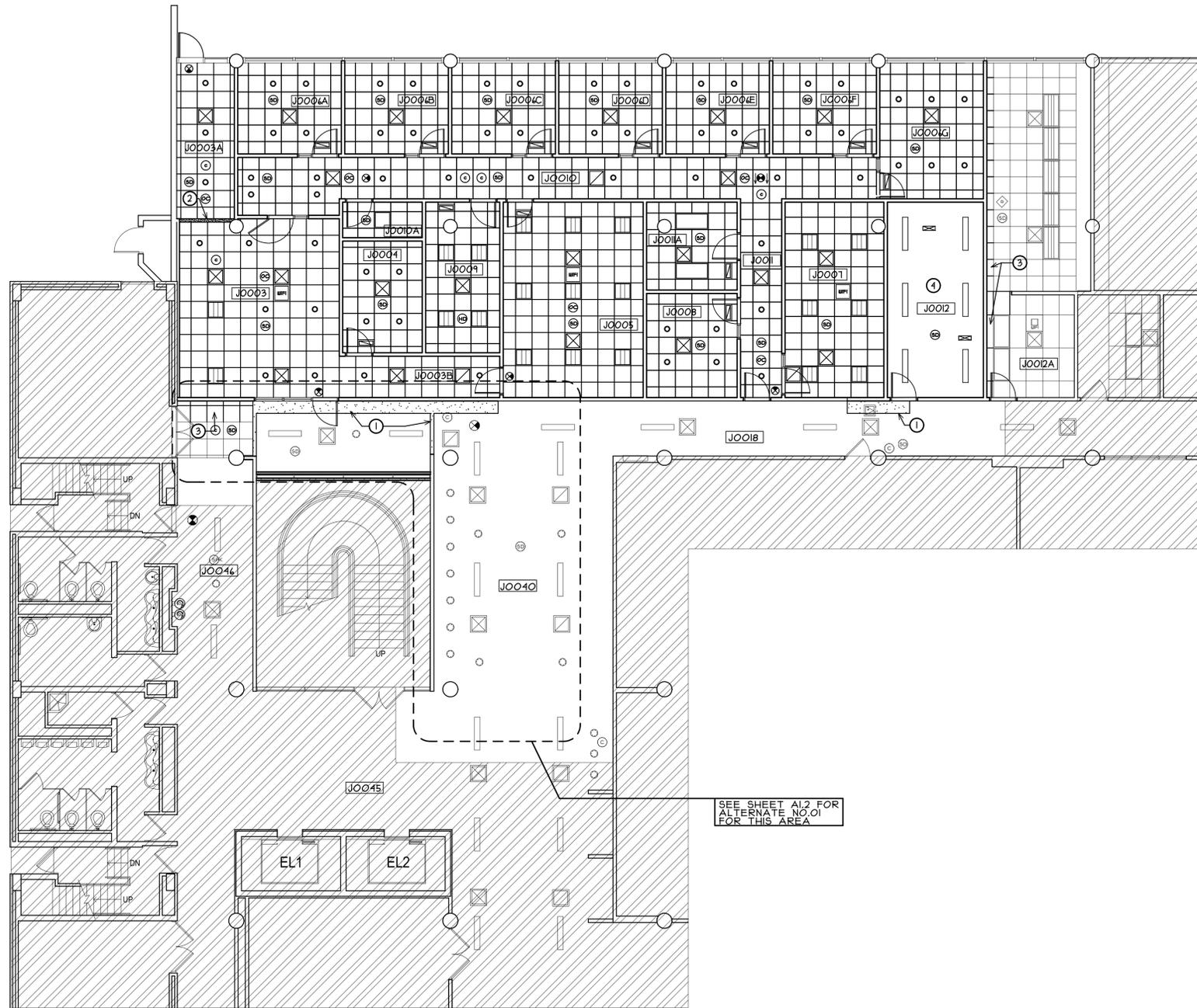
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OF 6 SHEETS



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

CEILING PLAN LEGEND

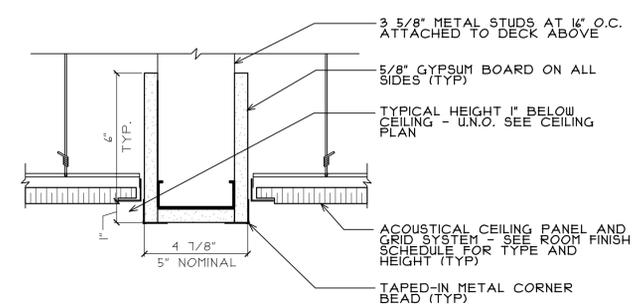
- HATCH DENOTES AREAS NOT INCLUDED IN PROJECT SCOPE.
- DENOTES 2' X 2' SUSPENDED CEILING GRID SYSTEM. SEE ROOM FINISH SCHEDULE FOR GRID AND PANEL TYPES, AND CEILING HEIGHT IN EACH ROOM.
- DENOTES 2X2 LAY-IN LED LIGHTING FIXTURE IN ACOUSTIC CEILING - SEE ELECTRICAL DRAWINGS.
- DENOTES 2X4 LAY-IN LED LIGHTING FIXTURE IN ACOUSTIC CEILING - SEE ELECTRICAL DRAWINGS.
- DENOTES RECESSED LED LIGHTING FIXTURE IN ACOUSTIC CEILING - SEE ELECTRICAL DRAWINGS.
- DENOTES CEILING MOUNTED OCCUPANCY SENSOR - SEE ELECTRICAL DRAWINGS.
- DENOTES CEILING MOUNTED SMOKE DETECTOR- SEE ELECTRICAL DRAWINGS.
- DENOTES CEILING MOUNTED HEAT DETECTOR- SEE ELECTRICAL DRAWINGS.
- DENOTES LOCATION FOR NEW CAMERA. DEVICE AND FINAL CONNECTION TO BE BY OWNERS STAFF. BOX AND CABLING BY CONTRACTOR. SEE ELECTRICAL DRAWINGS.
- DENOTES NEW CEILING MOUNTED LED EXIT SIGN. SEE ELECTRICAL DRAWINGS.
- DENOTES LOCATION FOR NEW WIRELESS ACCESS POINT. (DEVICE AND FINAL CONNECTION BY OWNERS STAFF) CONTRACTOR TO PROVIDING CABLING TO LOCATION. SEE ELECTRICAL DRAWINGS.
- DENOTES NEW LAY-IN SUPPLY DIFFUSER IN ACOUSTIC CEILING - SEE MECHANICAL DRAWINGS.
- DENOTES NEW LAY-IN RETURN GRILLE WITH TRANSFER DUCT IN ACOUSTIC CEILING - SEE MECHANICAL DRAWINGS.

CEILING PLAN GENERAL NOTES

- A. CEILING GRID AND LAY-IN PANEL TYPES ARE INDICATED IN THE ROOM FINISH SCHEDULE FOR EACH ROOM.
- B. COORDINATE WITH AND ALLOW OWNER'S SEPARATE VENDORS ACCESS TO CEILING INTERSTITIAL SPACES FOR INSTALLATION OF WIRING AND EQUIPMENT PRIOR TO INSTALLING LAY IN CEILING PANELS.
- C. ALL GYPSUM BOARD CEILINGS, SOFFITS, HEADERS, ETC. ARE TO RECEIVE PAINT FINISH.

CEILING PLAN KEY NOTES

- ① PATCH EXISTING GYPSUM BOARD CEILING BACK TO NEW WALL WITH "LIKE MATERIALS". (V.I.F.)
- ② PROVIDE NEW GYPSUM BOARD HEADER. SEE DETAIL 1 ON SHEET A2.0.
- ③ PATCH IN CEILING WITH SALVAGE/NEW MATCHING GRID AND SALVAGED CEILING PANELS BACK TO NEW WALLS AT LOCATION INDICATED. (V.I.F.)
- ④ THIS ROOM HAS NO CEILING OPEN TO STRUCTURE ABOVE. (EXISTING WIRES AND EQUIPMENT IN CEILING SPACE TO REMAIN TO BE PROPERLY SUPPORTED) (V.I.F.)



SECTION AT GYPSUM BOARD HEADER
 SCALE: 3" = 1'-0"

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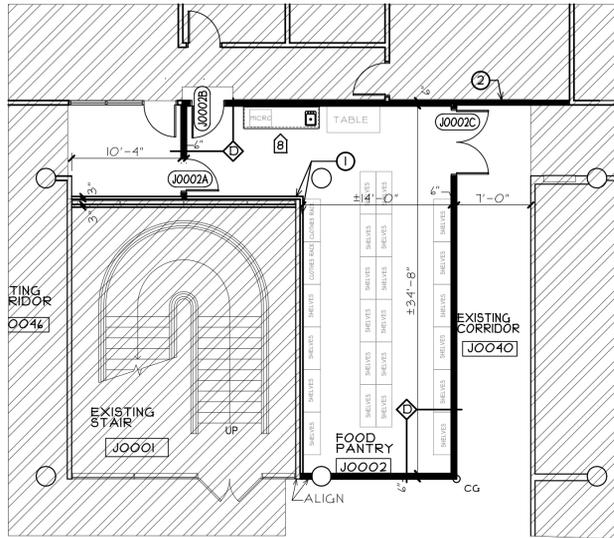
DATE: 6/21/2024
 REVISED:

PROJECT NO.
 2403-02

SHEET NUMBER

A2.0

OF 6 SHEETS



PARTIAL GROUND FLOOR PLAN (ALTERNATE NO. 01)
 NORTH SCALE: 1/8" = 1'-0"

FLOOR PLAN LEGEND

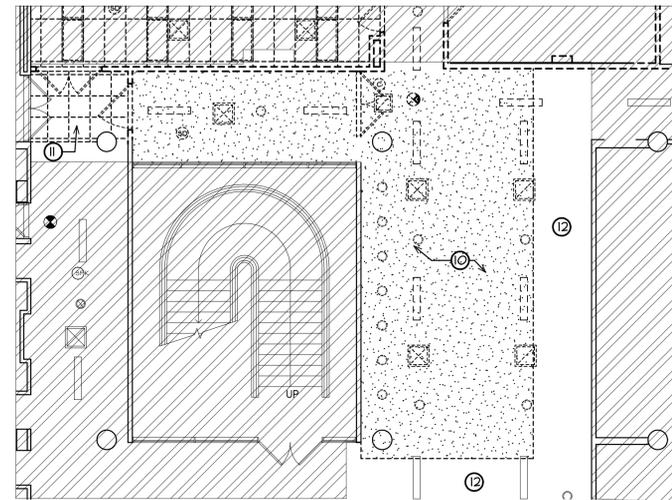
- HATCH DENOTES AREAS INCLUDED IN BASE BID OR NOT IN PROJECT SCOPE.
- EXISTING WALLS TO REMAIN (TYPICAL)
- DENOTES NEW PARTITIONS, TYPE AS FOLLOWS: (U.N.O.) DENOTES 2 HOUR FIRE RATED WALL ASSEMBLY (UL U41) WITH 3 5/8" METAL STUDS AT 16" O.C. WITH 3-1/2" SOUND BLANKET INSULATION IN ALL CAVITIES, AND TWO LAYERS OF 5/8" TYPE X GYPSUM BOARD EACH SIDE, RUN STUDS, INSULATION AND ALL LAYERS OF GYPSUM BOARD FULL HEIGHT TO DECK ABOVE. (PROVIDE 2 HOUR PAINTED LABELING ABOVE CEILING EACH SIDE OF WALL AT 3'-0" O.C.)
- EXISTING DOOR & FRAME TO REMAIN (TYPICAL)
- DENOTES NEW DOOR AND/OR FRAME SEE DOOR MARK IN DOOR AND FRAME SCHEDULE ON DRAWING SHEET A5.0.
- INTERIOR VIEWS INDICATED WITH THESE TAGS REFERENCE ELEVATIONS KEYED BY THE INDICATED NUMBER ON DRAWING SHEET A4.0.
- ALL CHANGES IN FLOOR FINISH MATERIAL OR COLOR ARE TO OCCUR UNDER CENTER OF DOOR OR AT LOCATIONS INDICATED. SEE ROOM FINISH SCHEDULE FOR FLOORING TYPE IN EACH ROOM. PROVIDE NEW TRANSITION STRIP AT MATERIAL CHANGE LOCATIONS. SEE SPECIFICATION.
- CORNER GUARD - SEE DETAIL 1 ON SHEET A5.0. CORNER GUARD TO START AT FLOOR AND RUN UP TO 4'-0" A.F.F.

FLOOR PLAN GENERAL NOTES

- A. VERIFY ALL EXISTING DIMENSIONS IN FIELD AND REPORT ALL DISCREPANCIES PRIOR TO NEW CONSTRUCTION.
- B. PATCH & REPAIR ALL EXISTING GYPSUM BOARD SURFACES TO "LIKE NEW" CONDITION PRIOR TO INSTALLING NEW FINISHES.
- C. NEW M-E-P SERVICES IN EXISTING METAL STUD AND GYPSUM BOARD WALLS MAY BE "FISHED DOWN" IF POSSIBLE, OR THE WALL IS TO BE CHANNEL CUT AND PATCHED WITH "LIKE" MATERIALS. COORDINATE WITH M-E-P TRADES.
- D. PROVIDE ALL REQUIRED IN WALL BLOCKING FOR NEW/SALVAGED WALL HUNG EQUIPMENT. COORDINATE WITH OWNER FOR OWNER PROVIDED EQUIPMENT.
- E. FURNITURE AND EQUIPMENT (F.B.O.) SHOWN FOR REFERENCE ONLY UNLESS NOTED OTHERWISE.
- F. ALL PENETRATIONS (NEW AND EXISTING) OF FIRE WALLS SHALL BE SEALED WITH AN APPROPRIATE U.L. LISTED THROUGH-WALL PENETRATION FIRESTOPPING SYSTEM.

FLOOR PLAN KEY NOTES

- ① PROVIDE 2 HOUR FIRE RATED SHaft WALL ASSEMBLY (UL U41) SYSTEM B/W IN FRONT OF EXISTING WALL/WINDOW. 2 LAYERS OF 5/8" TYPE X GYPSUM BOARD ON 2 1/2" C-H METAL STUDS AT 24" O.C. WITH 1" GYPSUM LINER PANELS SET IN CHANNEL RUN STUDS. GYPSUM BOARD AND LINER PANELS FULL HEIGHT TO DECK ABOVE.
- ② CONTINUE SECOND LAYER OF GYPSUM BOARD ON ROOM SIDE TO CORNER AND TAPE IN.



PARTIAL GROUND FLOOR REFLECTED CEILING PLAN (ALTERNATE NO. 01)
 NORTH SCALE: 1/8" = 1'-0"

DEMO CEILING PLAN LEGEND

- HATCH DENOTES AREAS INCLUDED IN BASE BID OR NOT IN PROJECT SCOPE.
- DENOTES EXISTING SURFACE MOUNTED LIGHT FIXTURE TO REMAIN.
- DENOTES EXISTING SURFACE MOUNTED LIGHT FIXTURE TO BE REMOVED. SALVAGE FOR POSSIBLE REUSE. SEE ELECTRICAL DRAWINGS.
- DENOTES EXISTING LAY-IN SUPPLY DIFFUSER IN ACOUSTIC CEILING TO BE REMOVED. SEE MECHANICAL DRAWINGS.
- DENOTES EXISTING ABANDONED RECESSED LIGHT FIXTURE TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
- DENOTES EXISTING SMOKE DETECTOR TO BE REMOVED AND AND SALVAGED TO OWNER.
- DENOTES EXISTING CAMERA TO BE REMOVED AND AND SALVAGED TO OWNER.
- DENOTES EXISTING EXIT SIGN FIXTURE AND PLATE TO BE REMOVED. SEE ELECTRICAL DRAWINGS.

DEMO CEILING PLAN GENERAL NOTES

- A. ALL SALVAGED ITEMS NOT REUSED SHALL BE PLACED IN STORAGE, ON SITE, AT A LOCATION DESIGNATED BY THE OWNER.
- B. ALL ITEMS REMOVED AND NOT SALVAGED SHALL BE PROPERLY DISPOSED OF OFF SITE BY THE CONTRACTOR.
- C. PATCH & REPAIR ALL EXISTING GYPSUM BOARD SURFACES TO "LIKE NEW" CONDITION PRIOR TO INSTALLING NEW FINISHES.
- D. COORDINATE WITH AND ALLOW OWNER'S SEPARATE VENDORS ACCESS TO CEILING INTERSTITIAL SPACES FOR INSTALLATION OF WIRING AND EQUIPMENT PRIOR TO INSTALLING LAY IN CEILING PANELS.

DEMO CEILING PLAN KEY NOTES

- ⑩ HATCH DESIGNATES PORTION OF EXISTING GYPSUM BOARD CEILING AND SUPPORT TO BE REMOVED. (V.I.F.)
- ⑪ EXISTING SUSPENDED ACOUSTICAL CEILING TO BE COMPLETELY REMOVED. (V.I.F.)
- ⑫ EXISTING GYPSUM BOARD CEILING TO REMAIN. (V.I.F.)

CEILING PLAN LEGEND

- HATCH DENOTES AREAS NOT INCLUDED IN PROJECT SCOPE.
- DENOTES 2' X 2' SUSPENDED CEILING GRID SYSTEM. SEE ROOM FINISH SCHEDULE FOR GRID AND PANEL TYPES, AND CEILING HEIGHT IN EACH ROOM.
- DENOTES 2X2 LAY-IN LED LIGHTING FIXTURE IN ACOUSTIC CEILING - SEE ELECTRICAL DRAWINGS.
- DENOTES CEILING MOUNTED OCCUPANCY SENSOR - SEE ELECTRICAL DRAWINGS.
- DENOTES CEILING MOUNTED SMOKE DETECTOR - SEE ELECTRICAL DRAWINGS.
- DENOTES LOCATION FOR NEW CAMERA, DEVICE AND FINAL CONNECTION TO BE BY OWNER'S STAFF, BOX AND CABLING BY CONTRACTOR. SEE ELECTRICAL DRAWINGS.
- DENOTES NEW CEILING MOUNTED LED EXIT SIGN. SEE ELECTRICAL DRAWINGS.
- DENOTES NEW LAY-IN SUPPLY DIFFUSER IN ACOUSTIC CEILING - SEE MECHANICAL DRAWINGS.
- DENOTES NEW LAY-IN RETURN GRILLE IN ACOUSTIC CEILING - SEE MECHANICAL DRAWINGS.

CEILING PLAN GENERAL NOTES

- A. CEILING GRID AND LAY-IN PANEL TYPES ARE INDICATED IN THE ROOM FINISH SCHEDULE FOR EACH ROOM.
- B. COORDINATE WITH AND ALLOW OWNER'S SEPARATE VENDORS ACCESS TO CEILING INTERSTITIAL SPACES FOR INSTALLATION OF WIRING AND EQUIPMENT PRIOR TO INSTALLING LAY IN CEILING PANELS.
- C. ALL GYPSUM BOARD CEILINGS, SOFFITS, HEADERS, ETC. ARE TO RECEIVE PAINT FINISH.

CEILING PLAN KEY NOTES

- ⑬ PATCH EXISTING GYPSUM BOARD CEILING BACK TO NEW WALL WITH "LIKE MATERIALS". (V.I.F.)

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OF 6 SHEETS

ALTERNATE NO. 01

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ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CEILING HGT.	REMARKS	ROOM NO.
J0001	EXISTING STAIRS	VCT	RB-1	EX	EX	---	1	J0001
J0003	WELCOME AREA	LVT	RB-1	PNT-1	APC-1	8'-0"	3	J0003
J0003A	ENTRY HALLWAY	CPT-2	RB-1	PNT-1	APC-1	8'-0"	3,4	J0003A
J0003B	HALLWAY	LVT	RB-1	PNT-1	APC-1	8'-0"		J0003B
J0004	RELAXATION ROOM	CPT-1	RB-1	AC-1	APC-1	8'-0"		J0004
J0005	GROUP THERAPY ROOM	LVT	RB-1	PNT-1	APC-1	8'-0"	3	J0005
J0005A	STUDENT/ WELLNESS ROOM	CPT-1	RB-1	PNT-1	APC-1	8'-0"	3,4	J0005A
J0005B	STUDENT/ WELLNESS ROOM	CPT-1	RB-1	PNT-1	APC-1	8'-0"	3,4	J0005B
J0005C	STUDENT/ WELLNESS ROOM	CPT-1	RB-1	PNT-1	APC-1	8'-0"	3,4	J0005C
J0005D	STUDENT/ WELLNESS ROOM	CPT-1	RB-1	PNT-1	APC-1	8'-0"	3,4	J0005D
J0005E	STUDENT/ WELLNESS ROOM	CPT-1	RB-1	PNT-1	APC-1	8'-0"	3,4	J0005E
J0005F	STUDENT/ WELLNESS ROOM	CPT-1	RB-1	PNT-1	APC-1	8'-0"	3,4	J0005F
J0005G	MANGERS OFFICE	CPT-1	RB-1	PNT-1	APC-1	8'-0"	3,4	J0005G
J0001	CLASSROOM	CPT-1	RB-1	PNT-1	APC-1	8'-0"	3	J0001
J0008	STUDENT/ WELLNESS ROOM	CPT-1	RB-1	PNT-1	APC-1	8'-0"	3	J0008
J0009	STAFF ROOM	LVT	RB-1	PNT-1	APC-1	8'-0"	3	J0009
J0010	HALLWAY	CPT-1	RB-1	PNT-1	APC-1	8'-0"		J0010
J0010A	CLOSET	CPT-1	RB-1	PNT-1	APC-1	8'-0"		J0010A
J0011	HALLWAY	CPT-1	RB-1	PNT-1	APC-1	8'-0"		J0011
J0011A	STORAGE	CPT-1	RB-1	PNT-1	APC-1	8'-0"		J0011A
J0012	IDF ROOM	SEALED CONCRETE	RB-1	PNT-2				J0012
J0012A	STORAGE	EX	EX	EX	EX		1	J0012A
J0018	EXISTING CORRIDOR	VCT	RB-1	PNT-2	PNT-2	EXISTING	1,2	J0018
J0040	EXISTING CORRIDOR	VCT	RB-1	EX/PNT-2	EX	EXISTING	1,2	J0040
J0045	EXISTING ELEVATOR LOBBY	VCT	RB-1	EX/PNT-2	EX	EXISTING	1,2	J0045
J0046	EXISTING CORRIDOR	VCT	RB-1	EX/PNT-2	EX	EXISTING	1,2	J0046
(ALTERNATE NO. 00)								
J0002	FOOD PANTRY	VCT-1	RB-1	PNT	APC-1	8'-0"		J0002

SCHEDULE ABBREVIATIONS

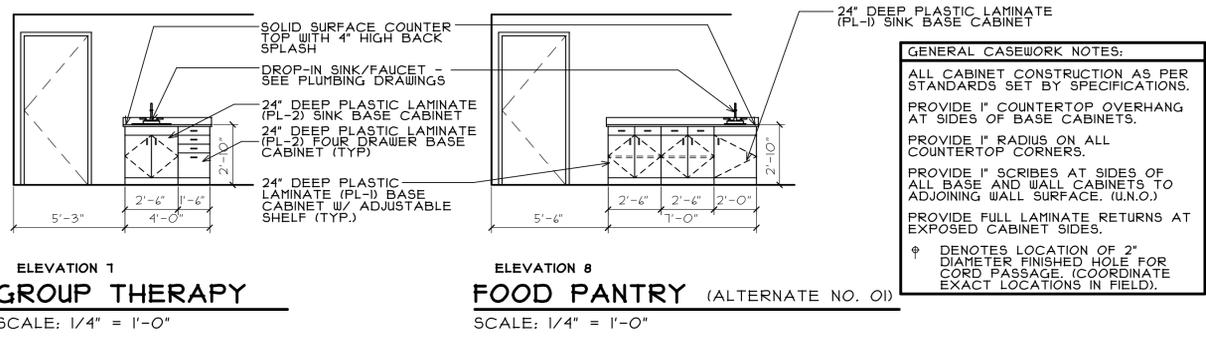
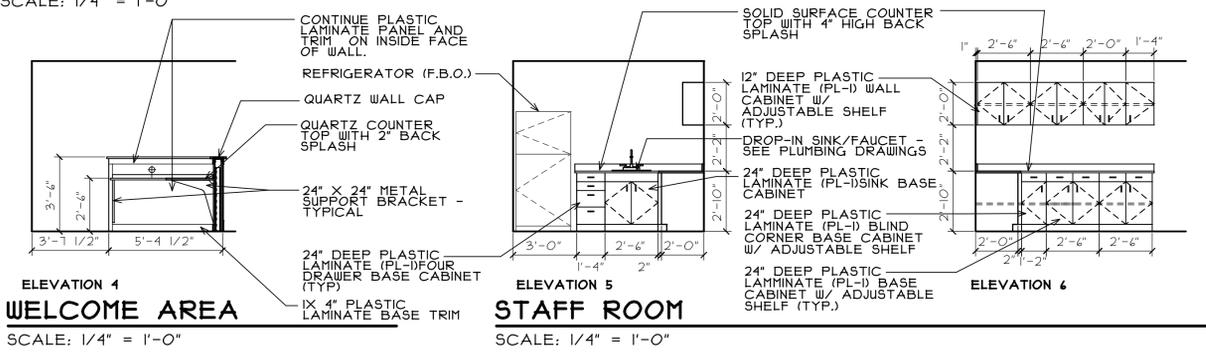
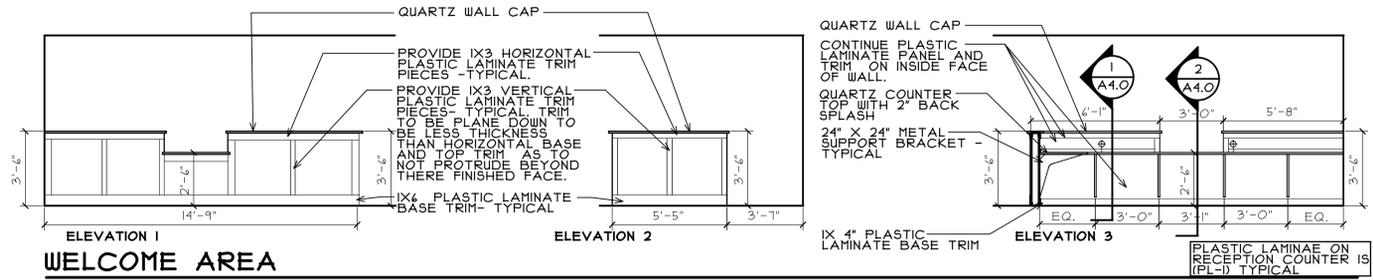
EX	EXISTING FINISH TO REMAIN
CPT-1,2	CARPET TILE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR
VCT	VINYL COMPOSITE TILE.
LVT	LUXURY VINYL TILE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR
RB-1	RUBBER WALL BASE
PNT-1,2	PAINT, EGGSHELL FINISH. SEE SPECIFICATIONS
AC-1	ACCENT PAINT, EGGSHELL FINISH. SEE SPECIFICATIONS
APC-1	2'X2' REVEAL EDGE CEILING PANEL AND GRID SYSTEM - SEE SPECIFICATION

REMARKS NOTES

- AT AREAS OF NEW CONSTRUCTION PATCH-IN NEW FINISHES TO MATCH ADJOINING EXISTING, VERIFY IN FIELD. PROVIDE NEW PAINT FINISH ON ENTIRE WALL LENGTH OF CONSTRUCTION.
- SEE DEMOLITION PLAN AND REFLECTED CEILING PLAN FOR AREAS OF EXISTING CEILING TO REMAIN AND AREAS TO BE REMOVED/REPLACED.
- SEE FLOOR PLAN FOR ACCENT PAINT LOCATION. (AC-1)
- EXTERIOR WINDOW FRAMING TO BE REPAINTED IN THIS ROOM (FACILITY STANDARD "ARCHITECTURAL BROWN". (V.I.F.)

GENERAL FINISH NOTES

- ALL HOLLOW METAL DOOR AND WINDOW FRAMES TO RECEIVE SEMI- GLOSS PAINT FINISH PER SPEC SECTION 099123.



GENERAL CASEWORK NOTES:

ALL CABINET CONSTRUCTION AS PER STANDARDS SET BY SPECIFICATIONS.

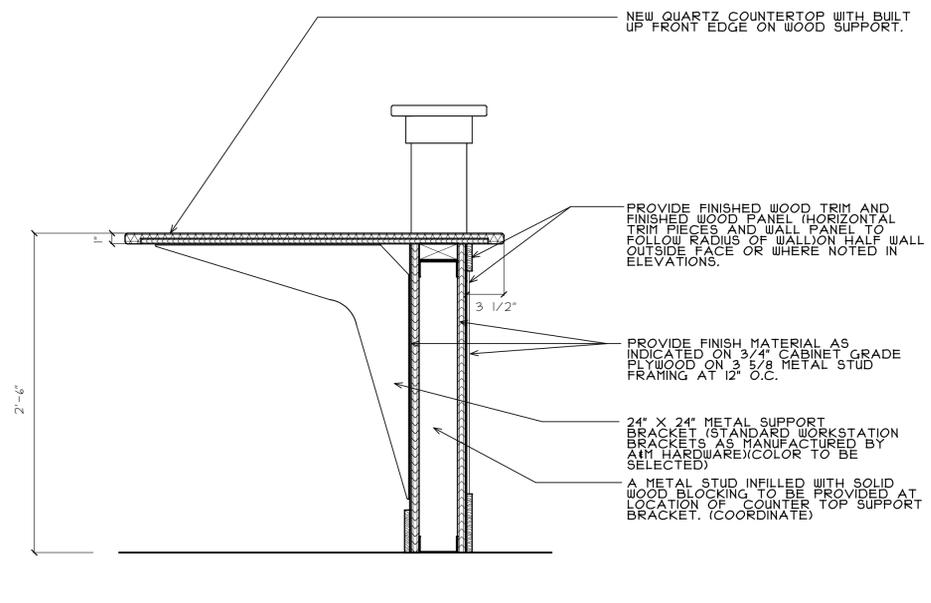
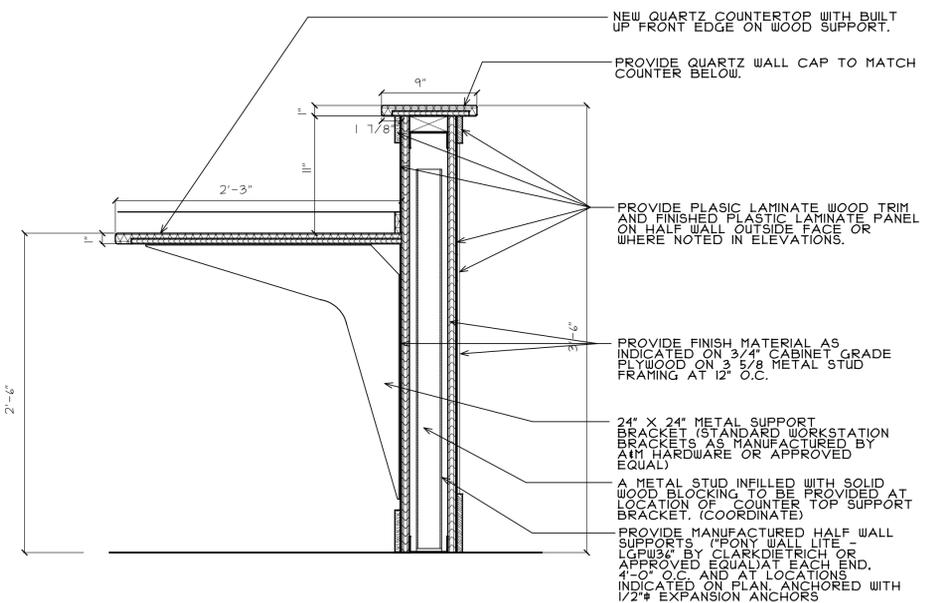
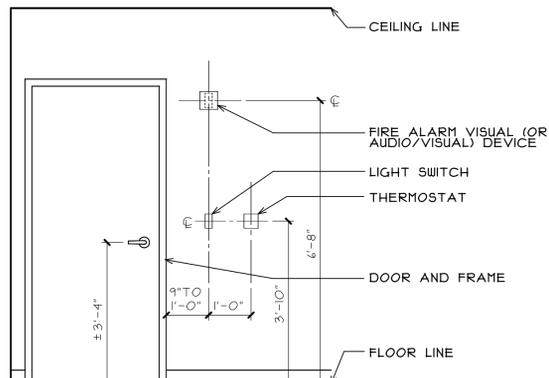
PROVIDE 1" COUNTERTOP OVERHANG AT SIDES OF BASE CABINETS.

PROVIDE 1" RADIUS ON ALL COUNTERTOP CORNERS.

PROVIDE 1" SCRIBES AT SIDES OF ALL BASE AND WALL CABINETS TO ADJOINING WALL SURFACE (U.N.O.)

PROVIDE FULL LAMINATE RETURNS AT EXPOSED CABINET SIDES.

Φ DENOTES LOCATION OF 2" DIAMETER FINISHED HOLE FOR CORD PASSAGE. (COORDINATE EXACT LOCATIONS IN FIELD).



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PROJECT NO. 2403-02

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DOOR & FRAME SCHEDULE

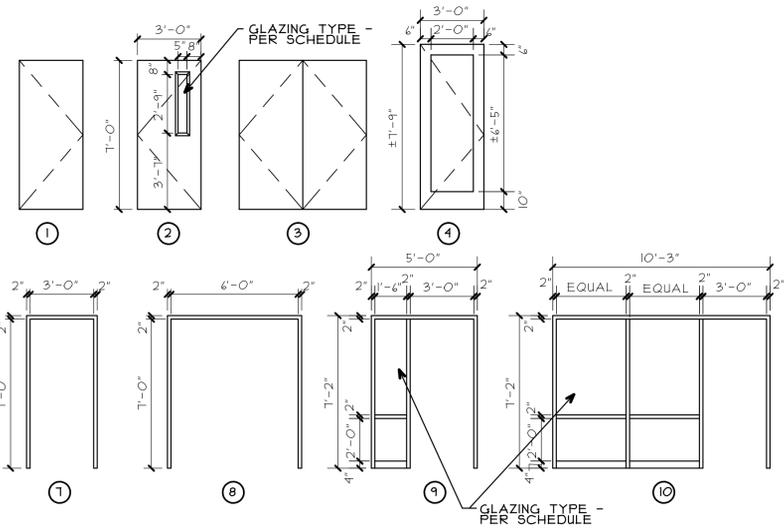
MARK	LOCATION	SIZE	DOOR			FRAME			DETAILS			GLASS	LABEL	HARDWARE SET	REMARKS	MARK
			TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL					
J0003	WELCOME AREA	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	10	ALUM	ANOD	13/A5.0	2/A5.0	4/A5.0	G1	---	5.01		J0003
J0003A	ENTRY HALLWAY	3'-0" X 1'-9" X 1 3/4"	4	ALUM	KYNAR	-	EX	EX				G2	---	1.01		J0003A
J0004	RELAXATION ROOM	3'-0" X 1'-0" X 1 3/4"	2	WOOD	PREFIN.	7	ALUM	ANOD	1/A5.0	2/A5.0	-	G1	---	4.01		J0004
J0005A	GROUP THERAPY	3'-0" X 1'-0" X 1 3/4"	2	WOOD	PREFIN.	7	ALUM	ANOD	1/A5.0	2/A5.0	-	G1	---	3.01		J0005A
J0005B	GROUP THERAPY	3'-0" X 1'-0" X 1 3/4"	2	WOOD	PREFIN.	7	ALUM	ANOD	1/A5.0	2/A5.0	-	G1	---	3.01		J0005B
J0006A	STUDENT/ WELLNESS	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	9	ALUM	ANOD	13/A5.0	2/A5.0	4/A5.0	G1	---	4.01		J0006A
J0006B	STUDENT/ WELLNESS	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	9	ALUM	ANOD	13/A5.0	2/A5.0	4/A5.0	G1	---	4.01		J0006B
J0006C	STUDENT/ WELLNESS	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	9	ALUM	ANOD	13/A5.0	2/A5.0	4/A5.0	G1	---	4.01		J0006C
J0006D	STUDENT/ WELLNESS	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	9	ALUM	ANOD	13/A5.0	2/A5.0	4/A5.0	G1	---	4.01		J0006D
J0006E	STUDENT/ WELLNESS	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	9	ALUM	ANOD	13/A5.0	2/A5.0	4/A5.0	G1	---	4.01		J0006E
J0006F	STUDENT/ WELLNESS	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	9	ALUM	ANOD	13/A5.0	2/A5.0	4/A5.0	G1	---	4.01		J0006F
J0006G	MANAGERS OFFICE	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	9	ALUM	ANOD	1/A5.0	2/A5.0	-	G1	---	4.01		J0006G
J0007	CLASSROOM	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	9	ALUM	ANOD	13/A5.0	2/A5.0	4/A5.0	G1	---	3.01		J0007
J0008	STUDENT/ WELLNESS	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	9	ALUM	ANOD	13/A5.0	2/A5.0	4/A5.0	G1	---	4.01		J0008
J0009	STAFF ROOM	3'-0" X 1'-0" X 1 3/4"	2	WOOD	PREFIN.	7	ALUM	ANOD	1/A5.0	2/A5.0	-	G1	---	3.01		J0009
J0010	HALLWAY	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	9	ALUM	ANOD	13/A5.0	2/A5.0	4/A5.0	G1	---	5.01		J0010
J0010A	CLOSET	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	7	ALUM	ANOD	1/A5.0	2/A5.0	-	-	---	6.01		J0010A
J0011	HALLWAY	3'-0" X 1'-0" X 1 3/4"	2	WOOD	PREFIN.	7	ALUM	ANOD	1/A5.0	2/A5.0	-	G1	---	5.02		J0011
J0011A	STORAGE	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	7	ALUM	ANOD	1/A5.0	2/A5.0	-	-	---	6.01		J0011A
J0012	IDF CLOSET	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	7	HMTL	PAINT	5/A5.0	6/A5.0	-	-	---	6.02		J0012
J0012A	EXISTING STORAGE	EXISTING	-	EX	EX	-	EX	PAINT	5/A5.0	6/A5.0	-	-	---	EX	REUSE DEMO J0012	J0012A
(ALTERNATE NO.)																
J0002A	FOOD PANTRY	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	7	HMTL	PAINT	1/A5.0	2/A5.0	-	-	90 MIN	5.02		J0002A
J0002B	FOOD PANTRY	3'-0" X 1'-0" X 1 3/4"	1	WOOD	PREFIN.	7	HMTL	PAINT	1/A5.0	2/A5.0	-	-	90 MIN	5.02		J0002B
J0002C	FOOD PANTRY	(2)3'-0" X 1'-0" X 1 3/4"	3	WOOD	PREFIN.	8	HMTL	PAINT	5/A5.0	6/A5.0	-	-	90 MIN	5.03		J0002C

SCHEDULE ABBREVIATIONS

HMTL HOLLOW METAL
 PREFIN. PREFINISHED
 EX EXISTING
 ALUM ALUMINUM
 ANOD ANODIZE
GLASS TYPES
 G1 1/4" CLEAR TEMPERED GLASS
 G2 1" INSULATED CLEAR TEMPERED GLASS

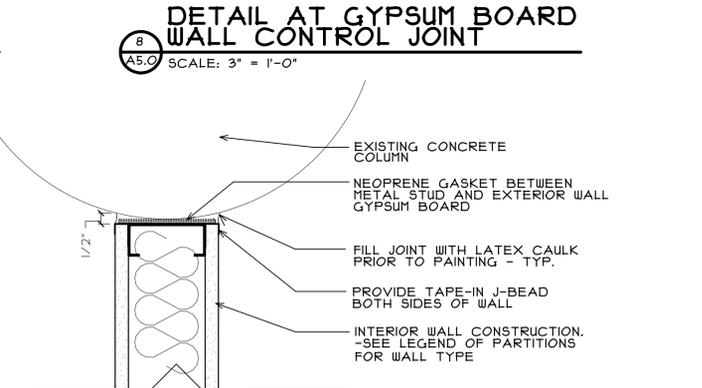
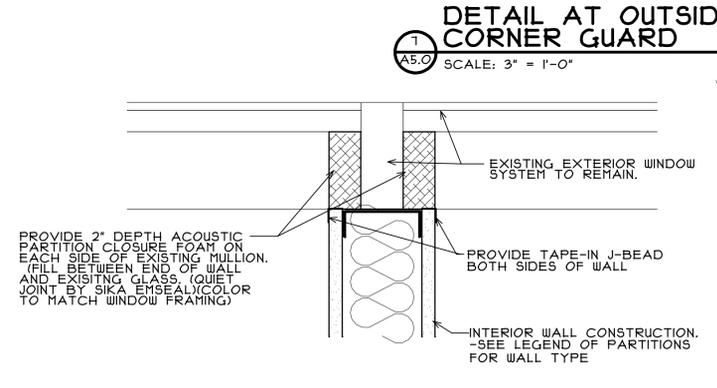
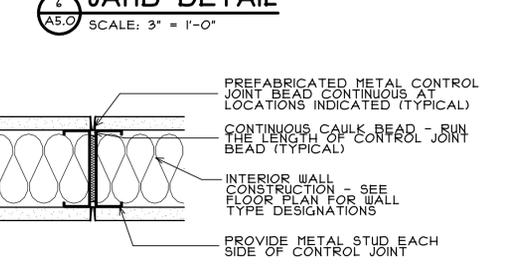
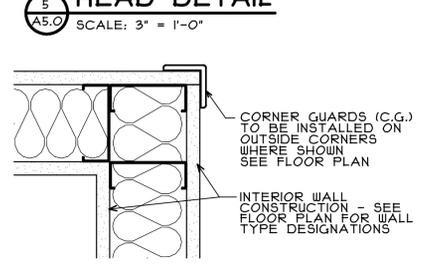
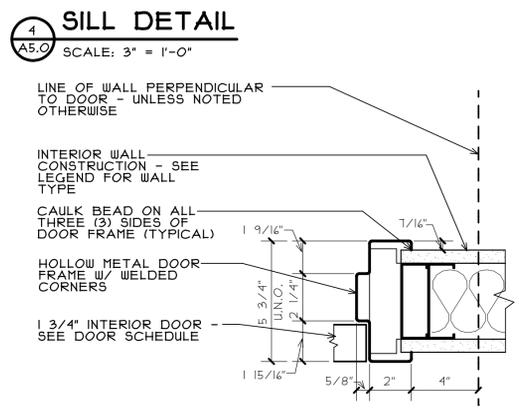
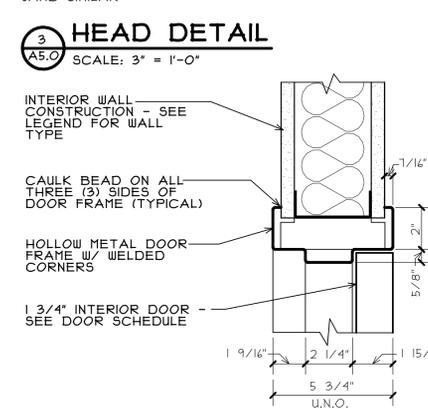
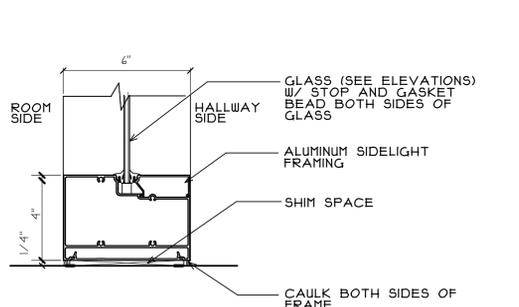
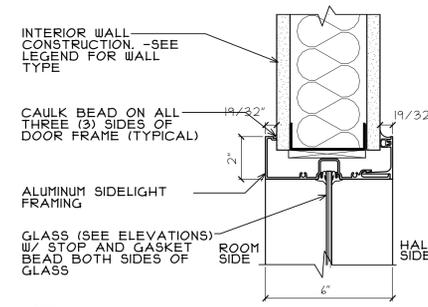
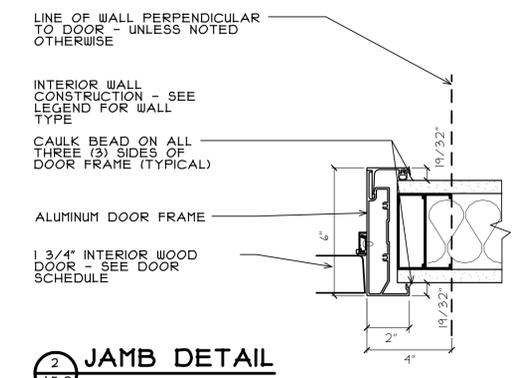
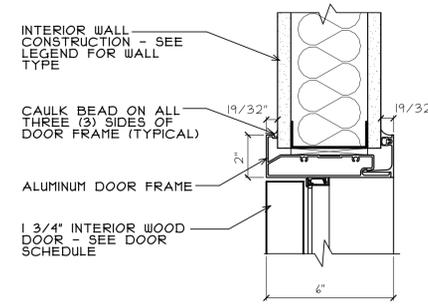
GENERAL NOTES

- ALL NEW AND EXISTING HOLLOW METAL FRAMES TO RECEIVE NEW PAINT FINISH PER SPECIFICATION 099123.
- PROVIDE WALL STOP FOR DOORS THAT OPEN 90 DEGREES AND FLOOR STOP FOR DOORS THAT OPEN MORE THAN 90 DEGREES.
- ALL DOORS IN PROJECT AREA TO HAVE CARD READERS AND ELECTRONIC STRIKE FURNISHED AND INSTALLED BY OWNERS VENDOR. CONTRACTOR TO PROVIDE 1/2" HOLE IN FRAME AT 42" AFF. AND RUN CABLES INTO FRAME (COORDINATE WITH OWNER/SEE ELECTRICAL DRAWINGS)



DOOR AND FRAME TYPES

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



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 JOLIET, ILLINOIS

DATE: 8/21/2024
 REVISED:

PROJECT NO.
 2403-02

SHEET NUMBER

A5.0

OF 6 SHEETS

\\192.168.137\CURRENT PROJECTS\JJC - MHWC\DRAWINGS\ARCH\A5AEC

VENTILATION SCHEDULE													
INTERNATIONAL MECHANICAL CODE													
ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	ZONE FLOOR AREA	ZONE POPULATION	PEOPLE OUTDOOR AIR RATE	AREA OUTDOOR AIR RATE	BREATHING ZONE OA FLOW	EA	ACTUAL			EQUIPMENT	
									SUPPLY CFM	OA CFM	EXHAUST CFM	SUPPLY FAN	EXHAUST FAN
J0002	FOOD PANTRY	BREAKROOM	577	4	5	0.06	55	0	600	120	0	EXISTING	--
J0003	WELCOME AREA	OFFICE	423	6	5	0.06	55	0	600	120	0	EXISTING	--
J0003A	ENTRY HALLWAY	CORRIDOR	132	1	0	0.06	8	0	150	30	0	EXISTING	--
J0003B	HALLWAY	CORRIDOR	98	0	0	0.06	6	0	200	40	0	EXISTING	--
J0004	RELAXATION ROOM	OFFICE	131	1	5	0.06	13	0	200	40	0	EXISTING	--
J0005	GROUP THERAPY ROOM	OFFICE	402	12	5	0.06	84	0	500	100	0	EXISTING	--
J0006A	STUDENT WELLNESS	OFFICE	139	3	5	0.06	23	0	150	30	0	EXISTING	--
J0006B	STUDENT WELLNESS	OFFICE	139	3	5	0.06	23	0	150	30	0	EXISTING	--
J0006C	STUDENT WELLNESS	OFFICE	139	3	5	0.06	23	0	150	30	0	EXISTING	--
J0006D	STUDENT WELLNESS	OFFICE	139	3	5	0.06	23	0	150	30	0	EXISTING	--
J0006E	STUDENT WELLNESS	OFFICE	139	3	5	0.06	23	0	150	30	0	EXISTING	--
J0006F	STUDENT WELLNESS	OFFICE	139	3	5	0.06	23	0	150	30	0	EXISTING	--
J0006G	MANAGER OFFICE	OFFICE	210	4	5	0.06	33	0	250	50	0	EXISTING	--
J0007	CLASSROOM	OFFICE	284	23	5	0.06	132	0	700	140	0	EXISTING	--
J0008	STUDENT WELLNESS	OFFICE	139	3	5	0.06	23	0	150	30	0	EXISTING	--
J0009	STAFF ROOM	OFFICE	164	2	5	0.06	20	0	200	40	0	EXISTING	--
J0010	HALLWAY	CORRIDOR	413	0	0	0.06	25	0	300	60	0	EXISTING	--
J0011	HALLWAY	CORRIDOR	118	0	0	0.06	7	0	150	30	0	EXISTING	--
J0011A	STORAGE	STORAGE	116	0	0	0.06	7	0	150	30	0	EXISTING	--
J0012	IDF CLOSET	STORAGE	276	0	0	0.06	17	0	400	80	0	EXISTING	--
J0012A	STORAGE	STORAGE	442	0	0	0.06	27	0	525	105	0	EXISTING	--
TOTALS			4759	74			651	0	5975	1195	0		

AIR DEVICE SCHEDULE							
TAG	MAKE/ MODEL	DESCRIPTION	SERVICE	SIZE	NECK SIZE	MAX N.C.	REMARKS
A	"TITUS" #OMNI	24"x24" LAY-IN SQUARE PLAQUE 4-WAY DIFFUSER W/ ROUND NECK	SUPPLY	24"x24"	SEE PLAN	25	1,2,3,4
B	"TITUS" #350FL	24"x12" LOUVERED RETURN GRILLE WITH LAY-IN FRAME AND SQUARE TO ROUND NECK ADAPTER	RETURN	24"x12"	22"x10"	25	1,2,3
C	"TITUS" #350FL	24"x24" LOUVERED RETURN GRILLE WITH LAY-IN FRAME AND SQUARE TO ROUND NECK ADAPTER	RETURN	24"x24"	22"x22"	25	1,2,3
D	"TITUS" #300 FL	ALUMINUM DOUBLE DEFLECTION SUPPLY GRILLE, 3/4" BLADE SPACING, FRONT BLADES PARALLEL TO LONG DIMENSION	RETURN	18"x6"	--	25	6
E	"TITUS" #350FL	24"x12" LOUVERED RETURN GRILLE WITH SURFACE MOUNTING FRAME	RETURN	24"x12"	--	25	1,5

REMARKS:
1. PROVIDE WITH WHITE FINISH.
2. PROVIDE SQUARE TO ROUND ADAPTER WHERE REQUIRED.
3. PROVIDE WITH LAY-IN FRAME.
4. PROVIDE WITH R-6 INSULATED BLANKET.
5. SURFACE MOUNTED.
6. DUCT MOUNTED SUPPLY GRILLE W/ MANUAL DAMPER.

INSULATION SCHEDULE	
ALL EXPOSED DUCTWORK IN CONDITIONED SPACES	1/2" LINED
ALL EXTERIOR DUCTWORK	MIN. R-12
ALL CONCEALED SUPPLY AND RETURN DUCT	MIN. R-6
ALL EXHAUST UP TO 10'-0" FROM DISCHARGE	MIN. R-6

NOTE:
ALL SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND WITH A MINIMUM OF R-12 INSULATION WHEN LOCATED OUTSIDE THE BUILDING ENVELOPE. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-12 INSULATION. ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS, AND CONNECTIONS IN DUCTWORK SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS, MASTIC PLUS-EMBEDDED-FABRIC SYSTEMS OR TAPES. TAPES AND MASTICS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A OR UL 181B. DUCT CONNECTIONS TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS.

- ### GENERAL NOTES
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES OF THE VILLAGE OF ORLAND PARK AND THE STATE OF ILLINOIS.
 - ALL EQUIPMENT SHALL BE U.L., ETL, AND/OR AGA LABELED AS REQUIRED.
 - ALL DUCTWORK SHALL BE PRIME GRADE GALVANIZED SHEET METAL PER SMACNA STANDARDS.
 - DUCTWORK SHALL BE SUPPORTED WITH APPROVED HANGERS AT INTERVALS NOT EXCEEDING TEN (10) FEET OR BY OTHER APPROVED DUCT SUPPORT SYSTEMS DESIGNED IN ACCORDANCE WITH THE BUILDING CODE. FLEXIBLE AND OTHER FACTORY-MADE DUCTS SHALL BE SUPPORTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - MECHANICAL CONTRACTOR SHALL PROVIDE SPIN-IN COLLARS WITH DAMPERS AT ALL ROUND BRANCH TAKEOFFS TO DIFFUSERS.
 - DUCTWORK CONSTRUCTION MATERIALS, INCLUDING COVERINGS, LININGS, AND ADHESIVES, EXPOSED WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E-84.
 - PROVIDE FIRE DAMPERS BY "NALOR" OR APPROVED EQUAL AT ALL PENETRATIONS THRU RATED ASSEMBLIES. REFER TO ARCHITECTURAL PLANS FOR ALL LOCATIONS AND RATINGS. ALL FIRE DAMPERS MAY NOT BE SHOWN ON THE PLANS. THIS CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND QUANTITIES.
 - MECHANICAL CONTRACTOR SHALL PROVIDE FLEXIBLE CANVAS CONNECTIONS AT ALL EQUIPMENT.
 - MECHANICAL CONTRACTOR SHALL PROVIDE FLEXIBLE AIR CONNECTORS FOR ALL DIFFUSERS. FLEXIBLE CONNECTORS SHALL NOT EXCEED FIVE (5) FEET.
 - FLEXIBLE AIR DUCTS AND FLEXIBLE AIR CONNECTORS, BOTH METALLIC AND NONMETALLIC, SHALL BE TESTED IN ACCORDANCE WITH UL 181. SUCH DUCTS SHALL BE LISTED AND LABELED AS CLASS 0 OR CLASS 1.
 - OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF TEN (10) FEET FROM ANY EXHAUST VENT, FLUE VENT OR ANY OTHER MECHANICAL SOURCE OF CONTAMINATION AND TWELVE (12) FEET FROM ANY PLUMBING VENT.
 - MECHANICAL CONTRACTOR SHALL PROVIDE BALANCING REPORTS BY A CERTIFIED BALANCER UPON COMPLETION OF PROJECT. PROVIDE INSPECTOR REPORTS PRIOR TO FINAL INSPECTION.
 - MECHANICAL CONTRACTOR SHALL FIELD VERIFY LOCATION OF GAS METER.
 - ALL THERMOSTATS SHALL BE MOUNTED IN ACCORDANCE WITH ADA REQUIREMENTS. WHERE THE THERMOSTAT IS ACCESSIBLE BY FRONTAL APPROACH ONLY, THEN THE MOUNTING HEIGHT OF THE THERMOSTAT SHALL BE 4'-0" A.F.F. WHERE THE THERMOSTAT IS ACCESSIBLE FROM A SIDE APPROACH, THEN THE MOUNTING HEIGHT OF THE THERMOSTAT SHALL BE 4'-6" A.F.F.
 - ELECTRICAL CONTRACTOR SHALL WIRE ALL EQUIPMENT AND SHALL PROVIDE DISCONNECT SWITCHES, STARTERS AND/OR RELAYS AS REQUIRED.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, UTILITY BOXES, AND WIRING FOR ALL THERMOSTATS. MECHANICAL CONTRACTOR SHALL FURNISH, MOUNT, AND TERMINATE THERMOSTATS ONLY.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE RETURN SMOKE DETECTORS IN SYSTEMS WITH A DESIGN CAPACITY OF GREATER THAN 2,000 CFM AND SUPPLY SMOKE DETECTORS IN SYSTEMS GREATER THAN 15,000 CFM. WIRE PER LOCAL CODE.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE A 120 VOLT, 15 OR 20 AMP GFCI CONVENIENCE OUTLET FOR ALL ROOFTOP, ATTIC SPACE, OR CRAWL SPACE HVAC EQUIPMENT. CONVENIENCE OUTLET SHALL BE ON THE SAME LEVEL AND WITHIN 25'-0" OF HVAC EQUIPMENT.
 - EQUIPMENT AND APPLIANCES SHALL BE INSTALLED AS REQUIRED BY THE TERMS OF THEIR APPROVAL. IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING, THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THIS CODE. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE AT TIME OF INSPECTION, INCLUDING LISTING FOR OUTSIDE INSTALLATION WHEN APPLICABLE.
 - PROVIDE REMOTE TEST SWITCHES FOR ALL DUCT SMOKE DETECTORS. CONTACT FIRE DEPARTMENT PRIOR TO INSTALLATION FOR PROPER PLACEMENT.
 - SUBMIT UL LISTED FIRE STOPPING MATERIALS AND SYSTEMS WHERE FIRE RATED ASSEMBLIES ARE BREACHED.

- ### ENERGY NOTES
- MINIMUM EQUIPMENT COOLING EFFICIENCY SHALL COMPLY WITH 2021 IECC.
 - ALL COOLING EQUIPMENT WITH CAPACITIES OF 54,000 BTUH SHALL BE FURNISHED WITH ECONOMIZERS.
 - MOTORIZED DAMPERS SHALL BE INSTALLED ON ALL INTAKES AND EXHAUST OPENINGS UNLESS NOTED OTHERWISE.
 - MAXIMUM FAN NAMEPLATE HORSEPOWER SHALL NOT EXCEED 1.1 HP/1000CFM.
 - LOAD CALCULATIONS WERE BASED ON ASHRAE 2017 FUNDAMENTALS
 - ALL PROGRAMMABLE THERMOSTATS SHALL HAVE 5 DEGREE DEADBAND AND SHALL HAVE 7-DAY CLOCK, 2-HOUR MANUAL OVERRIDE, 10 HOUR BACKUP AND SETBACK CAPABLE OF 55 DEGREES HEATING AND 85 DEGREES COOLING. (EXCEPT CONTINUOUS OPERATING ZONES)
 - ALL DUCTWORK SHALL BE SEALED PRESSURE SENSITIVE TAPE IS NOT USED AS THE PRIMARY SEALANT. LONGITUDINAL AND TRANSVERSE SEAMS FOR DUCTS IN UNCONDITIONED SPACES AND WALL PENETRATIONS. TRANSVERSE SEAMS ON BURIED DUCTS.

MECHANICAL SYMBOLS

ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION
[Symbol]	DUCT
[Symbol]	SUPPLY DIFFUSER
[Symbol]	RETURN OR EXHAUST GRILLE
[Symbol]	SLOT DIFFUSER
[Symbol]	FLEXIBLE DUCT
[Symbol]	CO2 SENSOR
[Symbol]	THERMOSTAT
[Symbol]	EMS SENSOR
[Symbol]	HUMIDISTAT
[Symbol]	STATIC PRESSURE SENSOR
[Symbol]	SMOKE DETECTOR
[Symbol]	45° PRESSURE TAP WITH VOLUME DAMPER
[Symbol]	CONICAL TAP WITH VOLUME DAMPER
[Symbol]	CONICAL TAP WITHOUT VOLUME DAMPER
[Symbol]	MANUAL VOLUME DAMPER
[Symbol]	MOTORIZED DAMPER
[Symbol]	BAROMETRIC DAMPER
[Symbol]	FIRE/SMOKE DAMPER
[Symbol]	FIRE DAMPER
[Symbol]	SMOKE DAMPER
[Symbol]	CONDENSATE DRAIN
[Symbol]	DIRECTION OF SLOPE
[Symbol]	DIRECTION OF FLOW
[Symbol]	GATE VALVE
[Symbol]	BALL VALVE
[Symbol]	TEMPERATURE AND PRESSURE RELIEF VALVE
[Symbol]	PLUG VALVE/BALANCING COCK
[Symbol]	SOLENOID VALVE
[Symbol]	CHECK VALVE
[Symbol]	HYDRAULIC SHOCK ARRESTOR
[Symbol]	VALVE IN VERTICAL
[Symbol]	UNION
[Symbol]	VACUUM BREAKER
[Symbol]	GAS PRESSURE REGULATOR

MECHANICAL LEGEND

EQUIPMENT	MARK (SEE SCHEDULE)
AIR DEVICE	TYPE-CFM-DEVICE TAG
	NECK SIZE

MECHANICAL ABBREVIATIONS

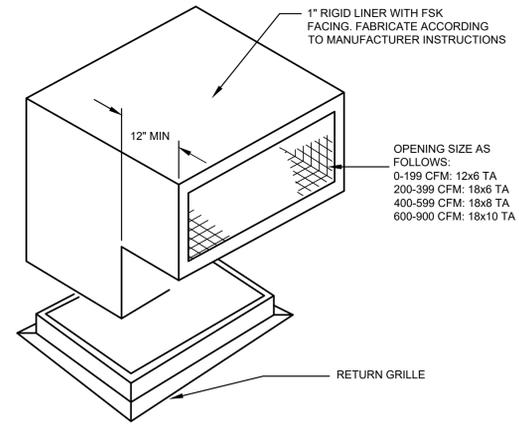
AC	ABOVE CEILING	FPB	FAN POWERED BOX
AFF	ABOVE FINISHED FLOOR	FPI	FINS PER INCH
AI	ANALOG INPUT	FPM	FEET PER MINUTE
AD	ANALOG OUTPUT	GC	GENERAL CONTRACTOR
BF	BELOW FLOOR	GUH	GAS UNIT HEATER
BFC	BELOW FINISHED CEILING	LAT	LEAVING AIR TEMPERATURE
BG	BELOW GRADE	MVD	MANUAL VOLUME DAMPER
CFPB	CONSTANT VOLUME FAN POWERED BOX	N	NEW
DB	DRY BULB	NTS	NOT TO SCALE
DI	DIGITAL INPUT	OBD	OPPOSED BLADE DAMPER
DO	DIGITAL OUTPUT	RA	RETURN AIR
DS	DISCONNECT SWITCH	RG	RETURN GRILLE
EAT	ENTERING AIR TEMPERATURE	SA	SUPPLY AIR
EDH	ELECTRIC DUCT HEATER	SG	SUPPLY GRILLE
EF	EXHAUST FAN	U.N.O.	UNLESS NOTED OTHERWISE
EUH	ELECTRIC UNIT HEATER	VAV	VARIABLE AIR VOLUME
		WH	WATER HEATER

DESIGN CRITERIA

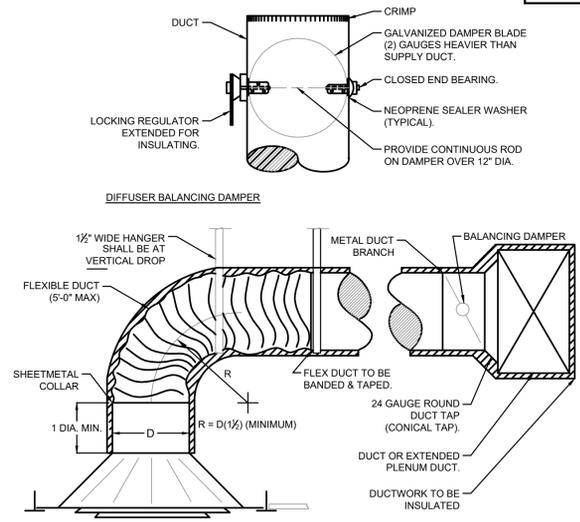
BASED ON ASHRAE HANDBOOK - 2017 FUNDAMENTALS
JOLIET, ILLINOIS

OUTDOOR DESIGN CONDITION
1% COOLING: 88.2°/73.2° F DB/WB
99.6% HEATING: -10.0° F DB

INDOOR DESIGN CONDITION
SUMMER: 75° F DB/50% RH
WINTER: 70° F DB



1 RETURN BOOT DETAIL



2 CEILING DIFFUSERS AND BRANCH DUCTS

MINIMUM CONICAL TAP METAL GAUGE		
TAP DIA. (IN.)	GAUGE - GALV. STOCK	DAMPER GAUGE
8 AND BELOW	24	22
9 - 14	24	22
15 - 16	22	20
27 - 36	20	18
37 - 50	18	16

stromsland + de young + prybys
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DATE: 6.24.24 EXP: 11.30.25

MECHANICAL NOTES & SCHEDULES
MENTAL HEALTH AND AWARENESS CENTER
JOLIET JUNIOR COLLEGE - BUILDING B
1215 HOBBS ROAD
JOLIET, ILLINOIS

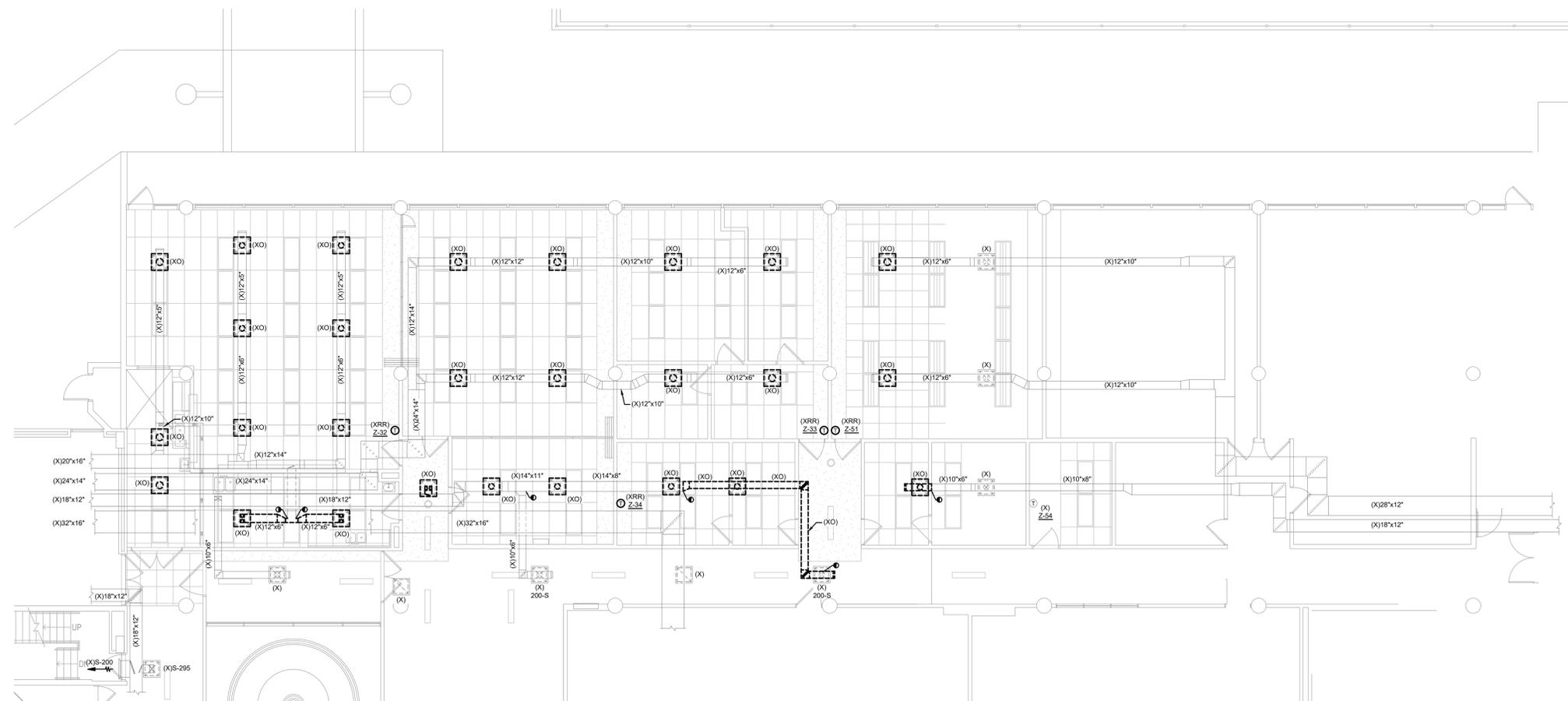
DATE: 6-24-2024
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PROJECT NO. 2303-02

SHEET NUMBER

M0





1 MECHANICAL DEMOLITION PLAN
 1/4" = 1'-0" 

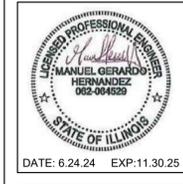
GENERAL DEMO NOTES

- BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING A COMPLETE BID WITHIN THE SCOPE OF THE PLANS AND SPECIFICATIONS. WHEN UNCLEAR, VERIFY THE EXTENT OF REMOVALS PRIOR TO BID. BRING TO THE ATTENTION OF THE ENGINEER ANY QUESTIONS IN REGARD TO THE EXTENT OF WORK OR ANY OTHER ISSUES RELATING TO THIS PROJECT.
- REMOVE ALL EXISTING MATERIAL AND EQUIPMENT INDICATED ON PLAN. THE OWNER SHALL HAVE FIRST RIGHTS TO ALL EQUIPMENT TO BE REMOVED. DISPOSE OF ALL EQUIPMENT AND MATERIAL THAT IS NOT WANTED BY OWNER IN AN APPROVED MANNER PER LOCAL AUTHORITY.
- WHEN THE EXTENT OF REMOVALS IS UNCLEAR, REQUEST CLARIFICATION FROM THE ENGINEER PRIOR TO COMMENCING WORK.
- WHEN MECHANICAL SYSTEMS ARE BEING REMODELED, COVER AND SEAL OPENINGS IN DUCTWORK, PIPING, OR MECHANICAL EQUIPMENT IN OPERATION THROUGH THE REMAINDER OF THE PROJECT.
- REPAIR ALL DAMAGE TO WALLS, CEILING, ETC. IN A WORKLIKE MANNER. SEAL ALL WALL AND CEILING OPENINGS WITH MATCHING MATERIAL.
- THE LOCATION OF EQUIPMENT SHOWN ON THE DRAWINGS IS BASED ON SITE OBSERVATIONS AND THE THE BEST AVAILABLE INFORMATION AT THE TIME OF DRAWING PREPARATION AND SOME DISCREPANCIES MAY EXIST. VERIFY EXACT LOCATIONS OF EQUIPMENT TO BE REMOVED IN THE FIELD AND REQUEST CLARIFICATION FROM THE ENGINEER WHEN LOCATION OR EXISTENCE DIFFERS FROM PLANS.
- COORDINATE WITH LANDLORD PRIOR TO REMOVING PIPING, DUCTWORK, EQUIPMENT, ETC., THAT MAY AFFECT OPERATIONS OUTSIDE OF TENANT SPACE.
- REMOVE ALL REMAINING UNUSED DUCTWORK, PIPING, ETC., NOT BEING REUSED BY TENANT. VERIFY THAT DUCTWORK OR PIPING IS NOT BEING USED OUTSIDE OF TENANT SPACE PRIOR TO REMOVAL.
- IN AREAS WHERE CEILINGS OR OTHER ARCHITECTURAL SYSTEMS ARE BEING REWORKED, TEMPORARILY REMOVE AND STORE AIR DEVICES OR OTHER EQUIPMENT AS NECESSARY.

LEGEND

X	EXISTING TO REMAIN
XO	EXISTING TO BE REMOVED
XRR	EXISTING TO BE RELOCATED
XR	EXISTING RELOCATED
N	NEW
	POINT OF DISCONNECT
	POINT OF NEW CONNECTION

stromsland + de young + prybys
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MECHANICAL DEMOLITION PLAN
MENTAL HEALTH AND AWARENESS CENTER
 JOLIET JUNIOR COLLEGE - BUILDING B
 1215 HUBBOLT ROAD
 JOLIET, ILLINOIS

DATE: 6-24-2024
 REVISED: 6-24-2024

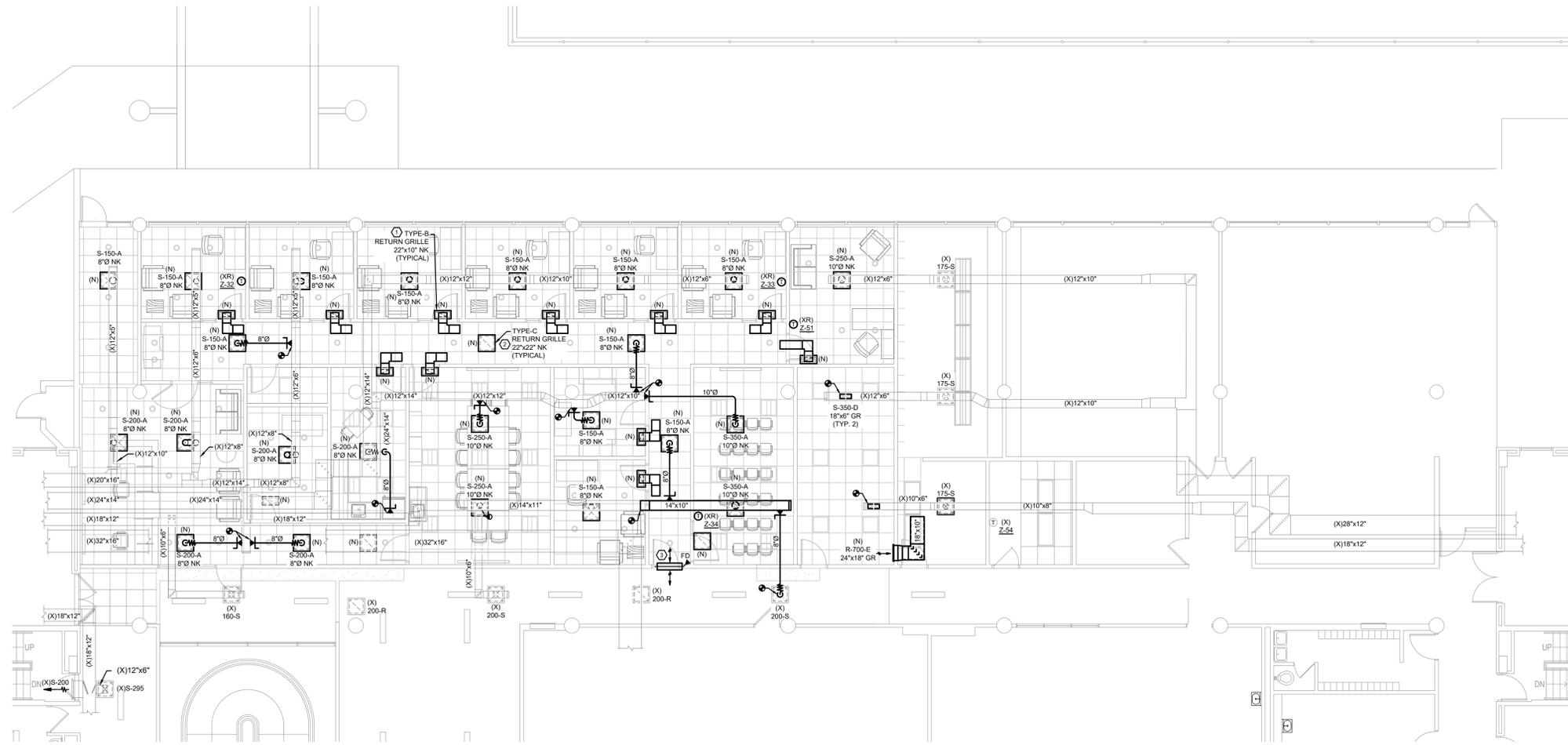
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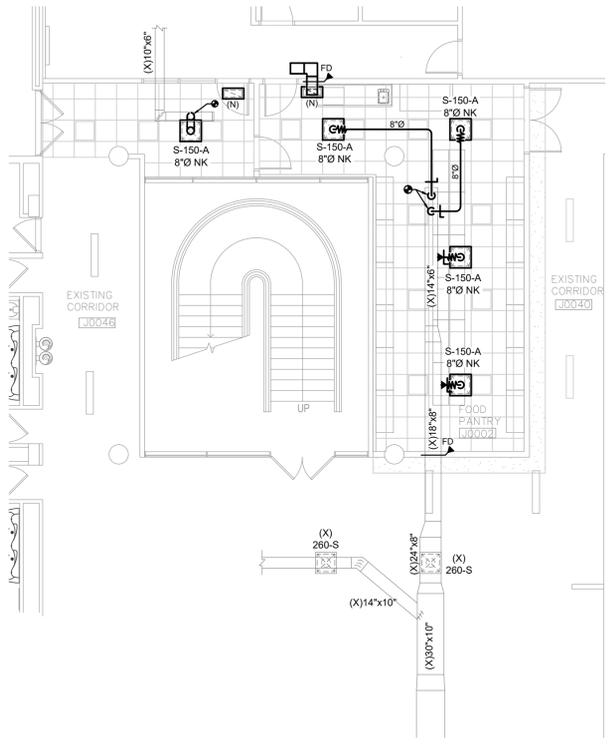
MD1



MGH Consulting Engineers, LLC
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 MGH@MGHENGINEERING.COM
 Phone: 630.205.6379
 ILLINOIS DESIGN FIRM NO. 184-005411



1 MECHANICAL PLAN
1/4" = 1'-0"



2 MECHANICAL PLAN - ALTERNATE #1
1/4" = 1'-0"

GENERAL NOTES

- BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING A COMPLETE BID WITHIN THE SCOPE OF THE PLANS AND SPECIFICATIONS. WHEN UNCLEAR, VERIFY THE EXTENT OF REMOVALS PRIOR TO BID. BRING TO THE ATTENTION OF THE ENGINEER ANY QUESTIONS IN REGARD TO THE EXTENT OF WORK OR ANY OTHER ISSUES RELATING TO THIS PROJECT.
- FLEX DUCT SHALL NOT EXCEED 5'-0".
- CONTRACTOR IS RESPONSIBLE FOR ADJUSTING DIFFUSER AIRFLOWS AS SHOWN ON PLAN. PROVIDE A DETAILED TEST & BALANCE REPORT PRIOR TO CLOSEOUT.
- DIFFUSER NECK SIZES SHALL BE THE SAME AS ROUND DUCT THAT CONNECTS TO IT. PROVIDE RECTANGULAR TO ROUND TRANSITIONS WHERE NEEDED.
- CONTRACTOR SHALL VERIFY FOR EXACT LOCATION OF ALL STRUCTURAL MEMBERS AND COORDINATE NEW DUCT SIZES/ROUTING ACCORDINGLY. IDENTIFY ANY CONFLICTS PRIOR TO INSTALLATION.
- COORDINATE HEIGHT OF DUCTWORK AND DIFFUSERS WITH ARCHITECTURAL PLANS AND ALL OTHER TRADES. ADJUST AS NECESSARY.
- CONTRACTOR SHALL PROVIDE & INSTALL ALL CODE REQUIRED FIRE DAMPERS WHERE DUCTWORK PENETRATES FIRE RATED ASSEMBLIES.
- EXPOSED DUCTWORK SHALL BE INTERNALLY LINED AND SEALED IN A NEAT MANNER. ALL EXPOSED DUCTWORK SHALL HAVE A NEAT FINISHED APPEARANCE.
- ALL CONCEALED SUPPLY AND RETURN DUCTWORK SHALL BE WRAPPED WITH R-6 INSULATION.
- ALL TRANSFER DUCTS SHALL HAVE 1/2" DUCT LINER FOR SOUND ATTENUATION.
- PROVIDE NEW ENERGY CODE COMPLIANT, 24/7 PROGRAMMABLE THERMOSTATS FOR ALL UNITS.
- VENTILATION SYSTEMS SHALL BE BALANCED BY AN APPROVED METHOD. PROVIDE A TEST AND BALANCE REPORT TO THE MUNICIPALITY PRIOR TO THE FINAL INSPECTION FOR THEIR FILE. ALSO PROVIDE A COPY TO THE FIELD INSPECTOR AT TIME OF FINAL INSPECTION.
- SYSTEM UTILIZES A PLENUM RETURN. CONTRACTOR SHALL PROVIDE OPENINGS IN FULL HEIGHT WALLS IN ORDER TO MAINTAIN A CONTINUOUS RETURN AIR PLENUM BACK TO AIR HANDLER RETURN INLET. (V.I.F.)

KEYED NOTES

- WALLS WITHIN SUITES ARE FULL HEIGHT. PROVIDE RETURN BOOT AS SHOWN ON DETAIL #1 ON SHEET M0 FOR ALL NEW RETURN GRILLES. BOOT SHALL EXTEND OUT INTO THE HALLWAY FOR PLENUM RETURN PATH.
- PROVIDE A 22"x22" NECK RISING 12" UP INTO THE CEILING PLENUM FOR PLENUM RETURN.
- PROVIDE A 44"x18" (OR EQUIVALENT) RETURN OPENING IN WALL ABOVE CEILING W/ FIRE DAMPER FOR PLENUM RETURN PATH BACK TO UNIT.

LEGEND

X	EXISTING TO REMAIN
XO	EXISTING TO BE REMOVED
XRR	EXISTING TO BE RELOCATED
XR	EXISTING RELOCATED
N	NEW
●	POINT OF DISCONNECT
⊙	POINT OF NEW CONNECTION

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GENERAL NOTES

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PROFESSIONAL ENGINEER
MANUEL GERARDO HERNANDEZ
062-054829
STATE OF ILLINOIS
DATE: 6.24.24 EXP: 11.30.25

MECHANICAL PLAN
MENTAL HEALTH AND AWARENESS CENTER
JOLIET JUNIOR COLLEGE - BUILDING B
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PLUMBING PIPE MATERIAL SCHEDULE			
PIPING SYSTEM	ABBREVIATION	PIPING MATERIAL	
SANITARY DRAINAGE & VENT (ABOVE GRADE)	S, W OR V	SCH. 40 PVC*; CAST IRON, COPPER	
SANITARY DRAINAGE & VENT (BELOW GRADE)	S, W OR V	SCH. 40 PVC*; CAST IRON, COPPER	
POTABLE WATER (ABOVE GRADE)	CW, HW OR HWR	TYPE L HARD DRAWN COPPER	
POTABLE WATER - 2" & SMALLER (BELOW GRADE)	CW, HW OR HWR	TYPE K SOFT ANNEALED COPPER	
* PVC SHALL NOT BE USED IN RETURN AIR PLENUMS, OR SHALL BE WRAPPED WITH A PLENUM RATED FIRE JACKET.			

PLUMBING FIXTURE UNIT CALC										
TAG	FIXTURE	QTY	DFU		CWFU		HWFU		TOTAL WSFU	
			FIXTURE	TOTAL	FIXTURE	TOTAL	FIXTURE	TOTAL	FIXTURE	TOTAL
SK	KITCHEN SINK (PRIVATE)	3	2	4	1.5	1.5	1.5	1.5	2	4
TOTALS		3		6		4.5		4.5		6

PLUMBING FIXTURE SCHEDULE (OR EQUAL)			
DESIG.	COMPONENT	MANUF./MODEL	REMARKS
SK-1	DUAL MOUNT PANTRY SINK	ELKAY "LUSTERTONE" #ECTSRAD25226TBG	STAINLESS STEEL 25" X 22" X 6" SINGLE BOWL DUAL MOUNT SINK. 18 GAUGE 304 STAINLESS STEEL WITH A LUSTROUS SATIN FINISH, & CENTER DRAIN PLACEMENT. PROVIDE WITH ELKAY #LK5000 SINGLE HOLE DECK MOUNT KITCHEN FAUCET WITH PULL-OUT SPRAY LEVER HANDLE. PROVIDE WITH 1-1/2" CP "P" TRAP, & 1/2" SUPPLIES WITH STOPS.
WB-1	COLD WATER WALL BOX	SIoux CHIEF #896 SERIES	WATER SUPPLY BOX WITH WATER HAMMER ARRESTERS, 1/4-TURN BRASS SUPPLY VALVES, MOUNTING BRACKET, & WALL PLATE.
NOTE: ALL NEW AND REPLACED PLUMBING FIXTURES SHALL BE LABELED WATERSENSE PRODUCT, AS SPECIFIED BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY.			

COMMERCIAL PIPE INSULATION REQUIREMENTS:

C404.4 INSULATION OF PIPING: PIPING FROM A WATER HEATER TO THE TERMINATION OF THE HEATED WATER SUPPLY PIPE SHALL BE INSULATED IN ACCORDANCE WITH TABLE C403.2.10. ON BOTH THE INLET AND OUTLET PIPING OF A STORAGE WATER HEATER OR HEATED WATER STORAGE TANK, THE PIPING TO A HEAT TRAP OR THE FIRST 8 FEET OF PIPING, WHICHEVER IS LESS, SHALL BE INSULATED. PIPING THAT IS HEAT TRACED SHALL BE INSULATED IN ACCORDANCE WITH TABLE C403.2.10 OR THE HEAT TRACE MANUFACTURER'S INSTRUCTIONS. TUBULAR PIPE INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH THE INSULATION MANUFACTURER'S INSTRUCTIONS. PIPE INSULATION SHALL BE CONTINUOUS EXCEPT WHERE THE PIPING PASSES THROUGH A FRAMING MEMBER. THE MINIMUM INSULATION THICKNESS REQUIREMENTS OF THIS SECTION SHALL NOT SUPERSEDE ANY GREATER INSULATION THICKNESS REQUIREMENTS NECESSARY FOR THE PROTECTION OF PIPING FROM FREEZING TEMPERATURES OR THE PROTECTION OF PERSONNEL AGAINST EXTERNAL SURFACE TEMPERATURES ON THE INSULATION.

EXCEPTION: TUBULAR PIPE INSULATION SHALL NOT BE REQUIRED ON THE FOLLOWING:

- THE TUBING FROM THE CONNECTION AT THE TERMINATION OF THE FIXTURE SUPPLY PIPING TO A PLUMBING FIXTURE OR PLUMBING APPLIANCE.
- VALVES, PUMPS, STRAINERS AND THREADED UNIONS IN PIPING THAT IS 1 INCH (25 MM) OR LESS IN NOMINAL DIAMETER.
- PIPING FROM USER-CONTROLLED SHOWER AND BATH MIXING VALVES TO THE WATER OUTLETS.
- COLD-WATER PIPING OF A DEMAND RECIRCULATION WATER SYSTEM.
- TUBING FROM A HOT DRINKING-WATER HEATING UNIT TO THE WATER OUTLET.
- PIPING AT LOCATIONS WHERE A VERTICAL SUPPORT OF THE PIPING IS INSTALLED.
- PIPING SURROUNDED BY BUILDING INSULATION WITH A THERMAL RESISTANCE (R-VALUE) OF NOT LESS THAN R-3.

COMMERCIAL HOT WATER PIPING MAXIMUM LENGTH REQUIREMENTS:

C404.5 Efficient heated water supply piping. Heated water supply piping shall be in accordance with Section C404.5.1 or C404.5.2. The flow rate through 1/4-inch piping shall be not greater than 0.5 gpm. The flow rate through 3/8-inch piping shall be not greater than 1 gpm. The flow rate through 1/2-inch piping shall be not greater than 1.5 gpm.

C404.5.1 Maximum allowable pipe length method. The maximum allowable piping length from the nearest source of heated water to the termination of the fixture supply pipe shall be in accordance with the following. Where the piping contains more than one size of pipe, the largest size of pipe within the piping shall be used for determining the maximum allowable length of the piping in Table C404.5.1.

- For a public lavatory faucet, use the "Public lavatory faucets" column in Table C404.5.1.
- For all other plumbing fixtures and plumbing appliances, use the "Other fixtures and appliances" column in Table C404.5.1.

C404.5.2 Maximum allowable pipe volume method. The water volume in the piping shall be calculated in accordance with Section C404.5.2.1. Water heaters, circulating water systems and heat trace temperature maintenance systems shall be considered sources of heated water. The volume from the nearest source of heated water to the termination of the fixture supply pipe shall be as follows:

- For a public lavatory faucet, not more than 2 ounces.
- For other plumbing fixtures or plumbing appliances, not more than 0.5 gallon.

C404.5.2.1 Water volume determination.

The volume shall be the sum of the internal volumes of pipe, fittings, valves, meters and manifolds between the nearest source of heated water and the termination of the fixture supply pipe. The volume in the piping shall be determined from the "Volume" column in Table C404.5.1. The volume contained within fixture shutoff valves, within flexible water supply connectors to a fixture fitting and within a fixture fitting shall not be included in the water volume determination. Where heated water is supplied by a recirculating system or heat-traced piping, the volume shall include the portion of the fitting on the branch pipe that supplies water to the fixture.

TABLE C403.2.10				
MINIMUM PIPE INSULATION THICKNESS (IN INCHES) (a,c)				
FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (inches)	
	Conductivity Btu-in/(h-ft ² -°F)	Mean Rating Temperature, °F	1 to < 1 1/2	1 1/2 to < 4
> 350	0.32 - 0.34	250	4.5	5
251 - 350	0.29 - 0.32	200	3	4
201 - 250	0.27 - 0.30	150	2.5	2.5
141 - 200	0.25 - 0.29	125	1.5	2
105 - 140	0.21 - 0.28	100	1	1
40 - 80	0.21 - 0.27	75	0.5	0.5
< 40	0.20 - 0.26	50	0.5	1

For SI: 1 inch = 25.4 mm, °C = [(°F) - 32]/1.8.

a. For piping smaller than 1 1/2 inches and located in partitions with conditioned spaces, reduction of these thicknesses by 1 inch shall be permitted (before thickness adjustment required in footnote b) but not to a thickness less than 1 inch.

b. For insulation outside the stated conductivity range, the minimum thickness (t) shall be determined as follows:
t = r(1 + k/ρ) - 1

where:
t = minimum insulation thickness,
r = actual outside radius of pipe,
k = insulation thickness listed in the table for applicable fluid temperature and pipe size,
ρ = conductivity of alternate material at mean rating temperature indicated for the applicable fluid temperature (Btu-in/h-ft²-°F),
k = the upper value of the conductivity range listed in the table for the applicable fluid temperature.

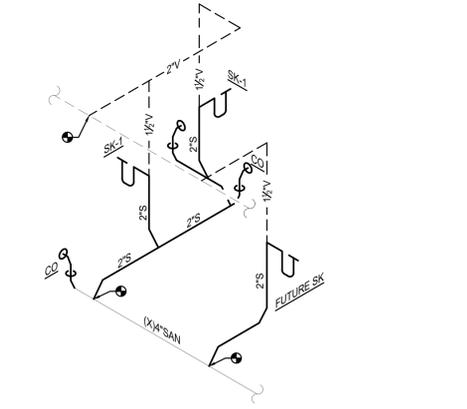
c. For direct-vented heating and hot water system piping, reduction of these thicknesses by 1 1/2 inches (38 mm) shall be permitted (before thickness adjustment required in footnote b) but not to thickness less than 1 inch (25 mm).

TABLE C404.5.1			
PIPING VOLUME AND MAXIMUM PIPING LENGTHS			
NOMINAL PIPE SIZE (inches)	VOLUME (liquid ounces per foot length)	MAXIMUM PIPING LENGTH (feet)	
		Public lavatory faucets	Other fixtures and appliances
1/4	0.33	6	50
3/8	0.75	3	50
1/2	1.5	2	43
3/4	3	1	32
7/8	4	0.5	21
1	5	0.5	13
1 1/4	8	0.5	8
1 1/2	11	0.5	6
2 or larger	18	0.5	4

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 liquid ounce = 0.030 L, 1 gallon = 128 ounces.

1 PIPE INSULATION REQUIREMENTS

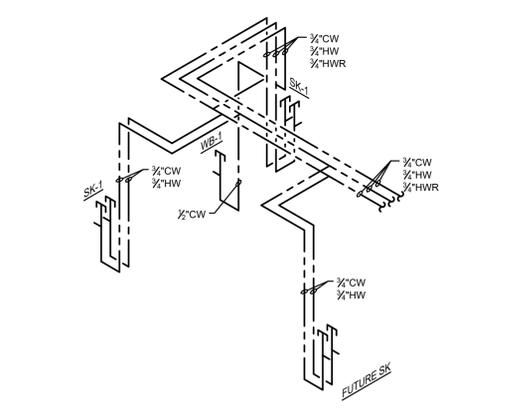
SCALE: NTS



RISER DIAGRAM - SANITARY & VENT

2 HW PIPING MAXIMUM LENGTH

SCALE: NTS



RISER DIAGRAM - DOMESTIC WATER

PLUMBING GENERAL NOTES:

- DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY THE ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID. REFER TO ARCHITECTURAL DRAWING FOR SLAB PATCH DETAIL.
- FURNISH A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE OWNER REFLECTING ANY VARIANCES OF INSTALLED PIPING LOCATIONS OR EQUIPMENT CONTRARY TO THE CONSTRUCTION DOCUMENTS PREPARED BY THE ENGINEER OF-RECORD AFTER FINAL INSPECTION OF INSTALLED PLUMBING SYSTEMS.
- FURNISH TO THE OWNER A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.
- PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.
- DO NOT SCALE FLOOR PLANS FOR EXACT HORIZONTAL LOCATION OF PIPE ROUTING.
- VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
- PIPING IN FINISHED AREAS SHALL BE ROUTED CONCEALED; EXPOSED PIPING, WHERE NECESSARY, SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO WALLS.
- COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTING, ETC. WHERE REQUIRED AND AS NOTED ON PLANS. COORDINATE SLEEVE INSTALLATIONS WITH THE ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED.
- CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.
- PROVIDE TRAP PRIMERS WHERE REQUIRED BY LOCAL AUTHORITIES.
- COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT ROUTE PIPING OVER ELECTRICAL PANELS.
- PAINT ALL EXPOSED GAS PIPING USING RUST INHIBITOR PAINT. PAINT AND COLOR SHALL BE COORDINATED WITH THE ARCHITECT AND/OR OWNER.
- COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRADES. MAINTAIN 10' MINIMUM CLEARANCE FROM ALL AIR INTAKES. MAINTAIN 2' CLEARANCE FROM ALL OTHER EQUIPMENT.
- INSULATE PIPING ROUTED IN EXTERIOR BUILDING WALLS WITH MINIMUM 2" BATT INSULATION TO PREVENT FREEZING. ALL COLD WATER LINES SHALL BE INSULATED WITH MINIMUM OF 3/4" FIBERGLASS INSULATION WITH VAPOR BARRIER. ALL HOT WATER AND HOT WATER RECIRCULATING LINES SHALL BE INSULATED WITH MINIMUM OF 1" INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER IN/Hx°Fx".
- PROVIDE SHIELDED ADAPTER COUPLINGS FOR CONNECTION OF PVC DWV TO CAST IRON AT SLAB ON GRADE. SEE DIVISION 15 SPECIFICATION SECTION "DRAINAGE AND VENT SYSTEMS" FOR MORE INFORMATION.
- WATER HAMMER ARRESTORS SHALL BE SIZE "A" UNLESS NOTED OTHERWISE.
- PROVIDE CHECK VALVES IN HOT AND COLD WATER SUPPLIES FOR MOP SINK FAUCETS DOWNSTREAM OF SHUTOFF VALVES.
- EXPOSED HOT WATER PIPES AND DRAINPIES UNDER HANDICAPPED ACCESSIBLE LAVATORIES SHALL BE CONFIGURED OR INSULATED TO PROTECT AGAINST CONTACT.
- RPZ SHALL BE INSTALLED IN THE POTABLE WATER SUPPLY TO EACH LOCATION WHERE SANITIZING CHEMICALS OR DETERGENTS WILL BE ASPIRATED OR PUSHED BY WATER PRESSURE INTO CLEANSING/SANITIZING OPERATION.
- DRAINAGE AND VENT SYSTEM SHALL BE PRESSURE TESTED WITH WATER OR AIR.
- ALL RPZ ASSEMBLIES SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR BEFORE INITIAL OPERATION. RECORDS TO VERIFY THIS TESTING SHALL BE AVAILABLE ON SITE.
- ALL PENETRATIONS OF FLOOR/CEILING ASSEMBLIES SHALL BE FIRE STOPPED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.
- ALL DRY VENTS SHALL RISE VERTICALLY TO A MINIMUM OF 6 INCHES ABOVE THE FLOOD LEVEL RIM OF THE HIGHEST TRAP OR TRAPPED FIXTURE BEING VENTED.
- ALL STORM DRAIN PIPES TO BE FULL INSULATED

PLUMBING FIXTURE ROUGH-IN				
FIXTURE	CW	HW	SANITARY	VENT
SINK	1/2"	1/2"	2"	1 1/2"
COLD WATER OUTLET BOX	3/4"	--	--	--

PLUMBING NOTES

STANDARD MOUNTING HEIGHTS	
PLUMBING (AFF, AFG, UNLESS NOTED OTHERWISE)	(AFF, AFG, UNLESS NOTED OTHERWISE)
REFER/COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE MOUNTING HEIGHTS. UNO, INSTALL PLUMBING FIXTURES WITH THE MOUNTING HEIGHTS AS LISTED BELOW WITH FINAL APPROVAL BY THE ARCHITECT.	
ADA ACCESSIBLE LAVATORIES	34" FLOOR TO RIM
ADA ACCESSIBLE SHOWER VALVES	38" MINIMUM TO 48" MAXIMUM FLOOR TO CENTERLINE
ADA ACCESSIBLE TUB VALVES	CENTER BETWEEN GRAB BAR AND TUB RIM
ADA ACCESSIBLE URINALS	17" FLOOR TO RIM
ADA ACCESSIBLE WATER CLOSET	17" TO 19" FLOOR TO TOP OF SEAT
ADA ACCESSIBLE WATER COOLER	35" FLOOR TO RIM
ADULT STANDARD DRINKING FOUNTAIN	40" FLOOR TO RIM
ADULT STANDARD WATER COOLER	30" FLOOR TO RIM
CHILD STANDARD DRINKING FOUNTAIN	30" FLOOR TO RIM
CHILD STANDARD WATER COOLER	14" FLOOR TO RIM
CHILD URINAL	14" FLOOR TO RIM
CLINIC SERVICE SINKS	30" FLOOR TO RIM
JANITOR'S SINK FAUCET FITTINGS	42" FLOOR TO CENTERLINE
HOSE BIBS	18" AFF TO CENTERLINE
ICE MAKER OUTLET BOXES	24" FLOOR TO CENTER OF BOX
LAVATORY OR SINK	34" FLOOR TO RIM
NON FREEZE HYDRANT	18" AFF TO CENTERLINE
SHOWER HEADS	6'-0" MEN & 5'-6" WOMEN FLOOR TO CENTERLINE
SHOWER VALVES	48" MEN & 42" WOMEN FLOOR TO CENTERLINE
STANDARD URINALS	22" FLOOR TO RIM
SURGEON'S SCRUB-UP SINKS	35" FLOOR TO FRONT RIM
TUB VALVES	32" FLOOR TO CENTERLINE
WASHING MACHINE OUTLET BOXES	42" FLOOR TO RIM
WATER CLOSET	15" FLOOR TO RIM

ABBREVIATIONS	
AAV AIR ADMITTANCE VALVE	MBH 1000 BTU PER HOUR
AFG ABOVE FINISHED FLOOR	MH MANHOLE
AFB ABOVE FINISHED GRADE	MIN MINIMUM
AHU AIR HANDLING UNIT	NC NORMALLY CLOSED
BFF BELOW FINISHED FLOOR	NO NORMALLY OPEN
BFG BELOW FINISHED GRADE	ORD OVERFLOW ROOF DRAIN
BFP BACK FLOW PREVENTOR	PDI PLUMBING DRAINAGE INSTITUTE
BOP BOTTOM OF PIPE	PVC POLYVINYL CHLORIDE
BOS BOTTOM OF STRUCTURE	PRV PRESSURE REDUCING VALVE
BTU BRITISH THERMAL UNIT	RD ROOF DRAIN
BV BALL VALVE	RPM REVOLUTIONS PER MINUTE
CPVC CHLORINATED POLYVINYL CHLORIDE	RTU ROOFTOP UNIT
CK CHECK VALVE	SF SQUARE FEET, SUPPLY FAN
CO CLEAN OUT	SP SUMP PUMP
DN DOWN	SS STAINLESS STEEL, SANITARY SEWER, SOIL STACK
DFU DRAINAGE FIXTURE UNIT	TDH TOTAL DYNAMIC HEAD
DS DOWNSPOUT	TFA TO FLOOR ABOVE
ETR EXISTING TO REMAIN	TFB TO FLOOR BELOW
EWC ELECTRIC WATER COOLER	TYP TYPICAL
FCO FLOOR CLEAN OUT	UL UNDERWRITERS LABORATORIES, INC.
FD FLOOR DRAIN	UNO UNLESS NOTED OTHERWISE
FFA FROM FLOOR ABOVE	UPS UNINTERRUPTIBLE POWER SUPPLY
FFB FROM FLOOR BELOW	V VOLT(S)
FL FLOW LINE	VB VACUUM BREAKER
FLA FULL LOAD AMPS	VCP VITRIFIED CLAY PIPE
FLR FLOOR	VS VENT STACK
GPM GALLONS PER MINUTE	VTR VENT THROUGH ROOF
HD HEAD, HUB DRAIN	W WITH
IE INVERT ELEVATION	W/O WITHOUT
IN WC INCHES OF WATER COLUMN	WC WATER COLUMN
JB JUNCTION BOX	WCO WALL CLEANOUT
J-BOX JUNCTION BOX	WS WASTE STACK
KW KILOWATT	WSFU WATER SUPPLY FIXTURE UNIT
MAU MAKE-UP AIR UNIT	
MAX MAXIMUM	

SLOPE OF HORIZONTAL DRAINAGE PIPE	
SIZE (INCHES)	MINIMUM SLOPE (INCH PER FOOT)
2 1/2" OR LESS	1/4
3" TO 6"	1/8
8 OR LARGER	1/16

PLUMBING SYMBOLS

PIPING	
---	EXISTING TO REMAIN DOMESTIC COLD WATER (CW)
-x-x-x-x-	EXISTING TO BE DEMO DOMESTIC COLD WATER (CW)
---	NEW DOMESTIC COLD WATER (CW)
---	EXISTING TO REMAIN HOT WATER (HW)
-x-x-x-x-	EXISTING TO BE DEMO HOT WATER (HW)
---	NEW HOT WATER
---	NEW HOT WATER RETURN
-x-x-x-x-	EXISTING TO BE DEMO SANITARY (SAN)
---	NEW SANITARY (SAN)
---	NEW GREASE SANITARY (GSAN)
---	EXISTING TO REMAIN VENT (V)
-x-x-x-x-	EXISTING TO BE DEMO VENT (V)
---	NEW VENT (V)
□	SQUARE FLOOR DRAIN (FS), SIZE & TYPE
○	ROUND FLOOR DRAIN (FD), SIZE & TYPE
○	ROOF DRAIN (RD), SIZE & TYPE
○	BALL VALVE
○	CONTROL VALVE
○	GATE VALVE
○	CHECK VALVE
○	BALANCING VALVE WITH PRESSURE PORTS
○	WATER METER
○	STRAINER
○	STRAINER WITH BLOWOFF
○	RELIEF/SAFETY VALVE
○	SOLENOID VALVE
○	PRESSURE REDUCING VALVE
○	GAS PRESSURE REGULATOR
○	THERMOSTATIC MIXING VALVE
○	PIPE ANCHOR
○	EXPANSION JOINT
○	BACKFLOW PREVENTER
○	PRESSURE GAUGE
○	THERMOMETER
○	UNION
○	FLANGE CONNECTION
○	HOSE BIBB (HB)
○	NONFREEZE WALL HYDRANT (NW)
↑	MANUAL / AUTOMATIC AIR VENT OR VACUUM RELIEF VALVE
---	CLEANOUT
---	CAP
---	WALL CLEANOUT (WCO)
○	FLOOR CLEANOUT (FCO)
○	EXTERIOR CLEANOUT (ECO)
○	ELBOW UP
○	ELBOW DOWN
○	TEE UP
○	TEE DOWN
○	ELBOW UP WITH SHUT-OFF VALVE (SOV)
○	ELBOW DOWN WITH SHUT-OFF VALVE (SOV)
○	TEE UP WITH SHUT-OFF VALVE (SOV)
○	TEE DOWN WITH SHUT-OFF VALVE (SOV)
○	"A" WATER HAMMER ARRESTER (WHA) WITH PDI SIZES, (A, B, C, D, & E)
○	RECIRCULATION PUMP
○	P-TRAP
○	GAS COCK
○	TRAP PRIMER
○	TRAP PRIMER WITH DISTRIBUTION UNIT

NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ABBREVIATIONS, ETC. ARE NECESSARILY USED ON THE DRAWINGS.

ANNOTATION	
1	PLUMBING PLAN NOTE CALLOUT
WH 1	PLUMBING EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE)
○	CONNECTION POINT OF NEW WORK TO EXISTING
1 P1	DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER

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DATE: 6.24.24 EXP: 11.30.25

PLUMBING NOTES & SCHEDULES
MENTAL HEALTH AND AWARENESS CENTER
JOLIET JUNIOR COLLEGE - BUILDING B
1215 HOBOLT ROAD
JOLIET, ILLINOIS

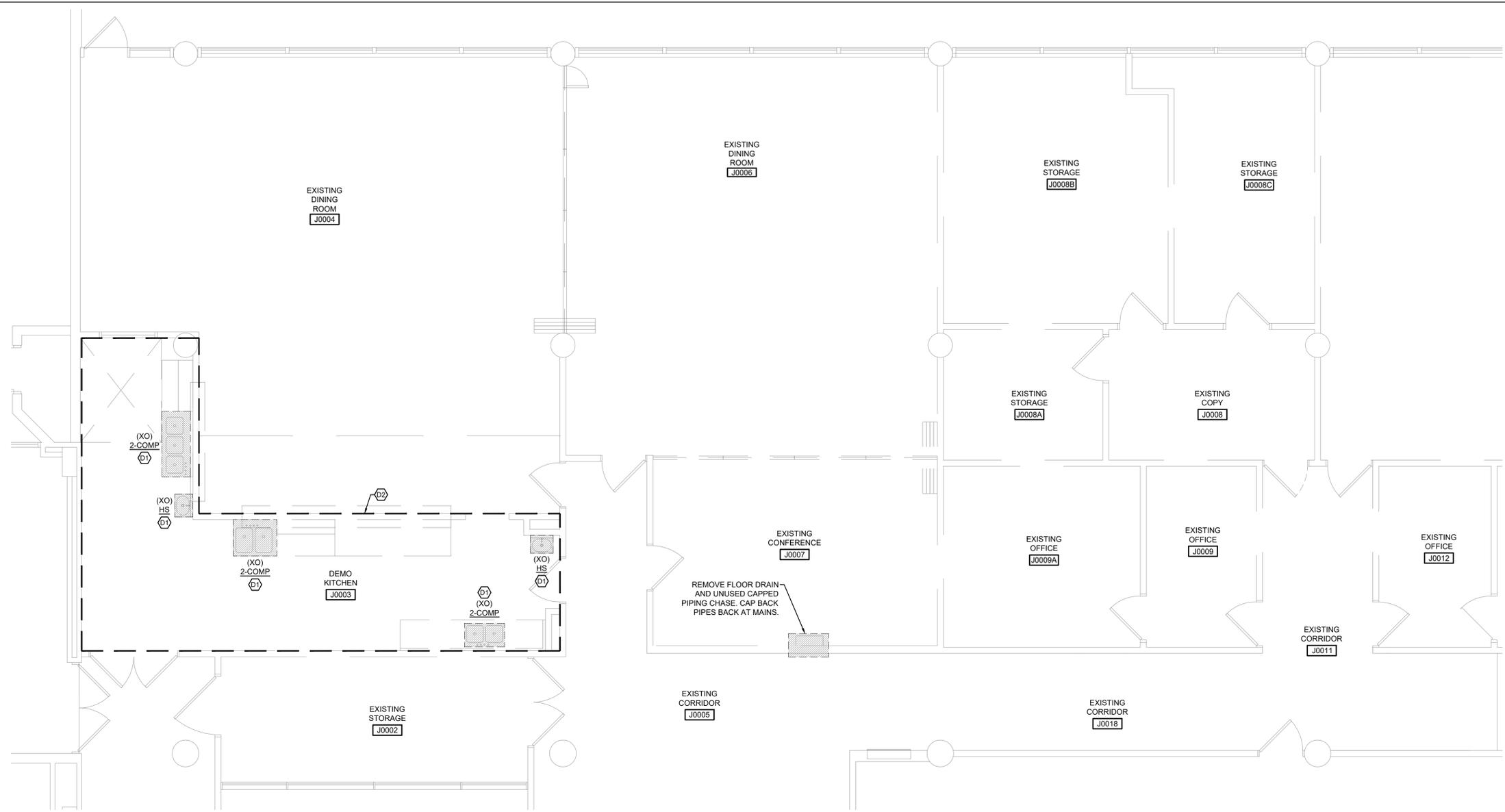
DATE: 6-24-2024
REVISED: 6-24-2024

PROJECT NO. 2303-02

SHEET NUMBER

PO





1 PLUMBING DEMOLITION PLAN
 1/4" = 1'-0"

GENERAL NOTES

1. THE PLUMBING CONTRACTOR SHALL REVIEW THE DRAWINGS FOR DEMOLITION REQUIREMENTS AND LAYOUT HIS WORK IN A COMPATIBLE AND COMPLEMENTARY MANNER. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SHOWN, HOWEVER, THIS CONTRACTOR SHALL REMOVE ANY PLUMBING WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE OWNER OR THE ENGINEER. SURVEY THE AFFECTED AREAS BEFORE SUBMITTING A BID.
2. ALL EXISTING PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL REMAIN UNLESS SPECIFICALLY NOTED TO BE REMOVED.
3. THESE DRAWINGS ARE COMPILED BY THE ENGINEER FROM THE LIMITED FIELD VERIFICATION OF EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CORRECT. NOTWITHSTANDING, THE PLUMBING CONTRACTOR SHALL VERIFY ALL PIPING, FIXTURE LOCATIONS, DIMENSIONS, MATERIALS AND ALL FIELD CONDITIONS AFFECTING HIS WORK.
4. WHERE PLUMBING SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, THEY SHALL REMAIN OR BE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE ARCHITECT / ENGINEER IMMEDIATELY IF SUCH CONDITIONS ARE UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.
5. SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A BID AS ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DEPICTED ON THE DRAWINGS AND SOME UNUSUAL CONDITIONS MAY EXIST.

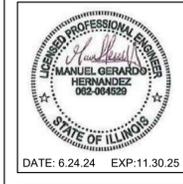
KEYED NOTES

- (D1) REMOVE AND PROPERLY DISPOSE OF SINK ALONG WITH ALL ASSOCIATED ACCESSORIES. REMOVE UNUSED PIPING BACK TO MAIN LEAVING NO DEAD LEGS.
- (D2) EXISTING KITCHEN AREA IS TO BE CONVERTED INTO GENERAL OFFICE SPACE. REMOVE ALL EXISTING PLUMBING FIXTURES INCLUDING SINKS, FAUCETS, FLOOR DRAINS, ECT. REMOVE ALL UNUSED ABOVE GROUND PIPING BACK TO THE EXISTING MAIN. CAP PIPES AT MAIN LEAVING NO DEAD ENDS. EXISTING UNDERGROUND PLUMBING COMPONENTS ARE TO BE PROPERLY DEMOLISHED OR COMPLETELY BACKFILLED AND ABANDON IN PLACE.

LEGEND

X	EXISTING TO REMAIN
XO	EXISTING TO BE REMOVED
XRR	EXISTING TO BE RELOCATED
XR	EXISTING RELOCATED
N	NEW
	POINT OF DISCONNECT
	POINT OF NEW CONNECTION

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PLUMBING DEMOLITION PLAN
MENTAL HEALTH AND AWARENESS CENTER
 JOLIET JUNIOR COLLEGE - BUILDING B
 1215 HUBBOLT ROAD
 JOLIET, ILLINOIS

DATE: 6-24-2024
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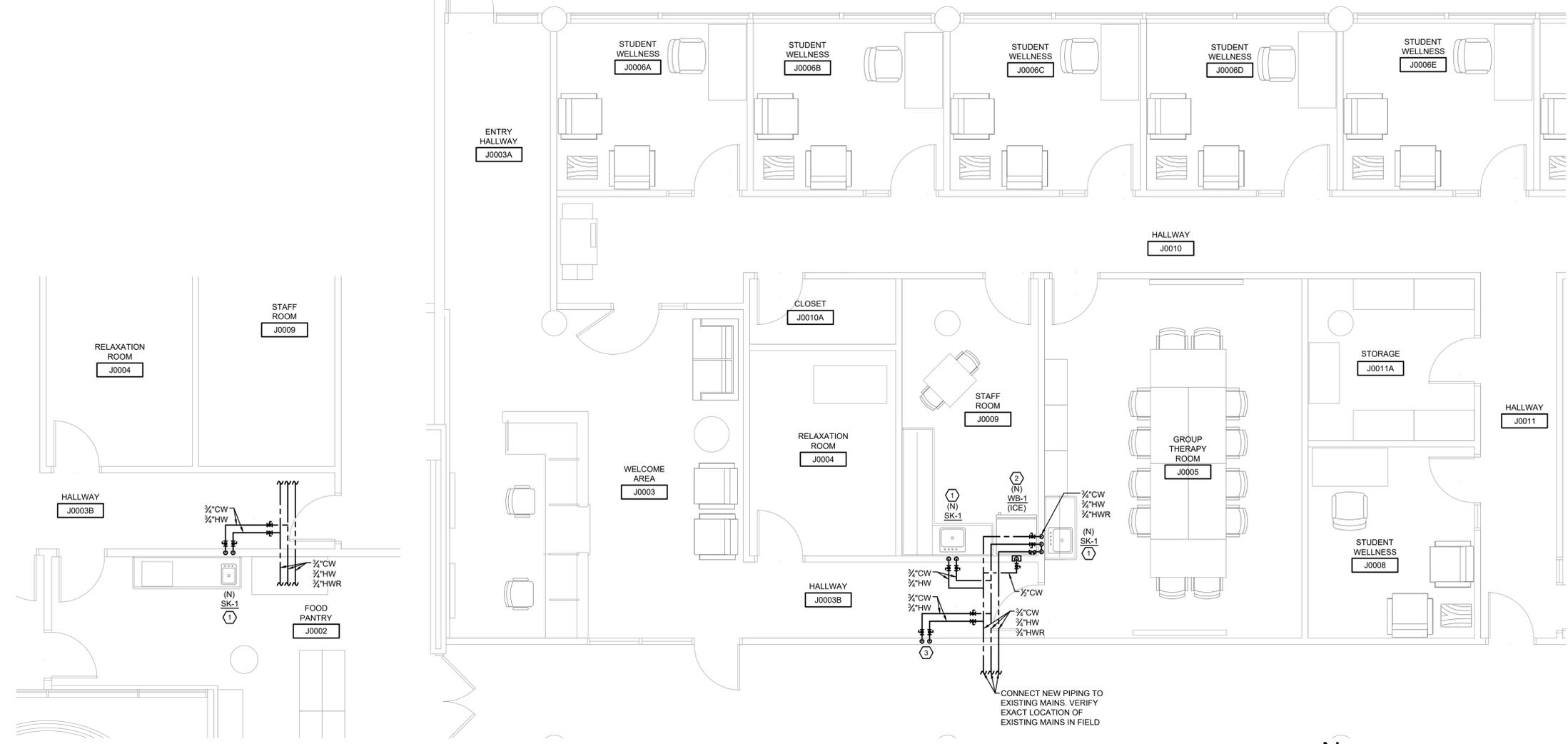
PROJECT NO. 2303-02

SHEET NUMBER

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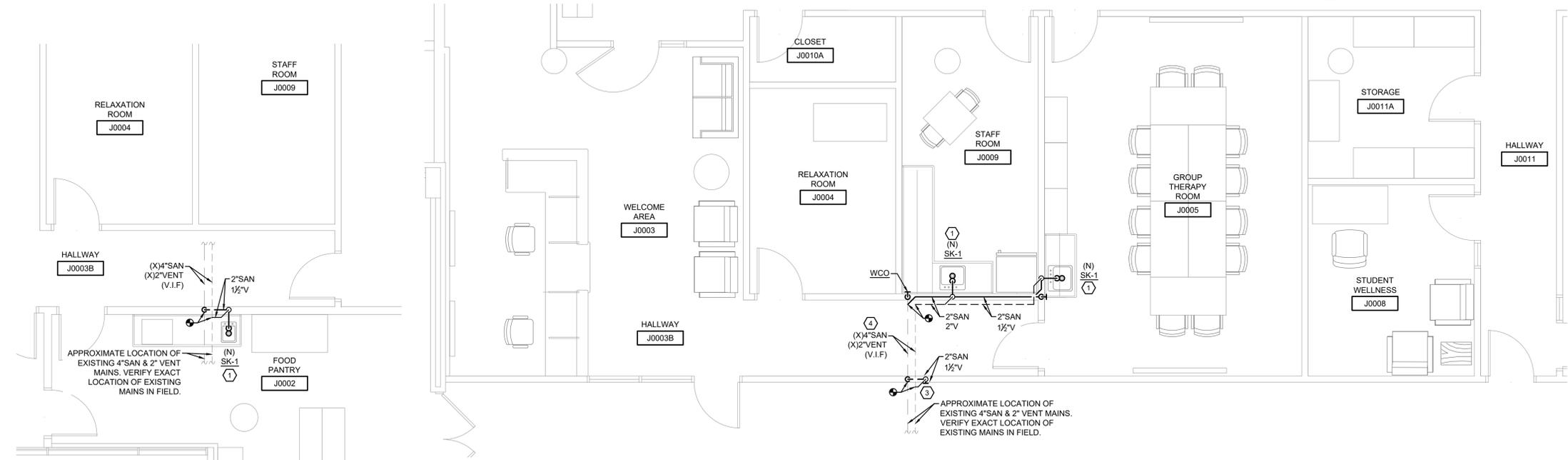
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3 PLUMBING - DOMESTIC WATER - ALT #1
1/4" = 1'-0"

1 PLUMBING PLAN - DOMESTIC WATER
1/4" = 1'-0"



4 PLUMBING - SANITARY & VENT - ALT #1
1/4" = 1'-0"

2 PLUMBING PLAN - SANITARY & VENT
1/4" = 1'-0"

GENERAL NOTES

- SAWCUT EXISTING FLOOR AND WALL CONSTRUCTION AS REQUIRED IN ORDER TO ACCOMMODATE NEW WASTE, VENT AND WATER SUPPLY PIPING. PATCH ALL NEW WORK TO MATCH EXISTING CONSTRUCTION. DEMOLITION OF ALL PLUMBING WASTE LINES SHALL NOT RESULT IN DEAD ENDS GREATER THAN 10'-0" IN LENGTH AND ALL WATER SUPPLY PIPING DEAD ENDS SHALL NOT EXCEED 2'-0" IN LENGTH.
- PROVIDE DIELECTRIC UNIONS, COUPLINGS, ADAPTORS OR FLANGES AT ALL TRANSITIONS OF FERROUS PIPING TO NON-FERROUS PIPING.
- PLUMBING CONTRACTOR TO VERIFY ALL EXISTING WASTE, VENT AND WATER SUPPLY PIPING WHERE NEW CONNECTIONS ARE TO BE MADE PRIOR TO BID. VERIFY EXACT SIZE, LOCATION, INVERT, CONDITION AND REQUIREMENTS IN FIELD. REPORT ANY MAJOR DISCREPANCIES TO ARCHITECT/ENGINEER.
- ALL VALVES AND SPECIALTY EQUIPMENT FOR THE PLUMBING INSTALLATION IS TO BE RUN IN ACCESSIBLE CEILING AREAS. NO VALVES OR EQUIPMENT ARE TO BE INSTALLED ABOVE A DRYWALL CEILING OR WITHIN THE WALLS.
- COORDINATE ROUTING OF ALL PIPING SYSTEMS TO AVOID DUCTWORK, ELECTRICAL CONDUIT, BEAMS AND OTHER STRUCTURAL MEMBERS.
- PLUMBING CONTRACTOR TO RUN ALL PLUMBING WATER DISTRIBUTION PIPING AT THE SAME ELEVATION WHERE POSSIBLE. ALL PIPING IS TO BE LABELED AS TO TYPE AND DIRECTION OF FLOW ON THE OUTSIDE OF THE INSULATION SO THAT IT IS READABLE FROM THE GROUND.
- PROVIDE PROTECTIVE INSULATED PIPE COVERS ON P-TRAPS, ANGLE STOPS, OFFSET TAILPIECES, RISER SUPPLY TUBES, ETC. FOR ALL ADA ACCESSIBLE FIXTURES.
- ALL WORK MUST COMPLY WITH LOCAL AND STATE PLUMBING CODES.
- PIPE ROUTING SHOWN IS DIAGMATIC AND SHALL BE ADJUSTED ACCORDINGLY PER ACTUAL FIELD CONDITIONS.
- WATER PIPING TO BE INSTALLED WITH ISOLATION VALVES IN COMPLIANCE WITH THE LOCAL PLUMBING CODE
- LAVATORIES TO BE SUPPLIED WITH TEMPERED WATER NOT TO EXCEED 105°F
- NO DEAD ENDS IN WATER SUPPLY OR SANITARY
- JOINTS BETWEEN PLASTIC PIPE AND NON PLASTIC MATERIAL SHALL BE MADE ONLY WITH AN APPROPRIATE TYPE OF ADAPTER
- ANY HEALTH OR SAFETY HAZARDS IN EXISTING PLUMBING SYSTEM MUST BE REVISED TO COMPLY WITH ALL CURRENT APPLICABLE CODES
- COORDINATE ALL REQUIRED INSPECTIONS WITH LOCAL AHJ.

KEYED NOTES

- FURNISH AND INSTALL NEW ADA COMPLIANT SINK AS SCHEDULED. CONNECT NEW 2" SAN, 1/2" VENT, & 3/4" CW / HW PIPING AS SHOWN. VERIFY EXACT LOCATION OF EXISTING PIPING IN FIELD.
- FURNISH AND INSTALL NEW COLD WATER OUTLET BOX W/ QUARTER TURN STOP AND WATER HAMMER ARRESTOR FOR REFRIGERATOR WATER CONNECTION.
- UNDER THE BASE BID, PROVIDE ROUGH-INS FOR FUTURE FOOD PANTRY SINK. PROVIDE SHUT-OFF VALVE WITHIN 24" OF CW & HW TAKE-OFFS FROM MAIN.
- CONNECT NEW SANITARY AND VENT LINES TO THE EXISTING PIPING IN DEMOLISHED KITCHEN AREA.

LEGEND

X	EXISTING TO REMAIN
XO	EXISTING TO BE REMOVED
XRR	EXISTING TO BE RELOCATED
XR	EXISTING RELOCATED
N	NEW
⊙	POINT OF DISCONNECT
⊕	POINT OF NEW CONNECTION

ALTERNATE #1
FURNISH & INSTALL SINK AS SCHEDULED FOR FOOD PANTRY.

GENERAL NOTES

- SAWCUT EXISTING FLOOR AND WALL CONSTRUCTION AS REQUIRED IN ORDER TO ACCOMMODATE NEW WASTE, VENT AND WATER SUPPLY PIPING. PATCH ALL NEW WORK TO MATCH EXISTING CONSTRUCTION. DEMOLITION OF ALL PLUMBING WASTE LINES SHALL NOT RESULT IN DEAD ENDS GREATER THAN 10'-0" IN LENGTH AND ALL WATER SUPPLY PIPING DEAD ENDS SHALL NOT EXCEED 2'-0" IN LENGTH.
- PROVIDE DIELECTRIC UNIONS, COUPLINGS, ADAPTORS OR FLANGES AT ALL TRANSITIONS OF FERROUS PIPING TO NON-FERROUS PIPING.
- PLUMBING CONTRACTOR TO VERIFY ALL EXISTING WASTE, VENT AND WATER SUPPLY PIPING WHERE NEW CONNECTIONS ARE TO BE MADE PRIOR TO BID. VERIFY EXACT SIZE, LOCATION, INVERT, CONDITION AND REQUIREMENTS IN FIELD. REPORT ANY MAJOR DISCREPANCIES TO ARCHITECT/ENGINEER.
- ALL VALVES AND SPECIALTY EQUIPMENT FOR THE PLUMBING INSTALLATION IS TO BE RUN IN ACCESSIBLE CEILING AREAS. NO VALVES OR EQUIPMENT ARE TO BE INSTALLED ABOVE A DRYWALL CEILING OR WITHIN THE WALLS.
- COORDINATE ROUTING OF ALL PIPING SYSTEMS TO AVOID DUCTWORK, ELECTRICAL CONDUIT, BEAMS AND OTHER STRUCTURAL MEMBERS.
- PLUMBING CONTRACTOR TO RUN ALL PLUMBING WATER DISTRIBUTION PIPING AT THE SAME ELEVATION WHERE POSSIBLE. ALL PIPING IS TO BE LABELED AS TO TYPE AND DIRECTION OF FLOW ON THE OUTSIDE OF THE INSULATION SO THAT IT IS READABLE FROM THE GROUND.
- PROVIDE PROTECTIVE INSULATED PIPE COVERS ON P-TRAPS, ANGLE STOPS, OFFSET TAILPIECES, RISER SUPPLY TUBES, ETC. FOR ALL ADA ACCESSIBLE FIXTURES.
- ALL WORK MUST COMPLY WITH LOCAL AND STATE PLUMBING CODES.
- PIPE ROUTING SHOWN IS DIAGMATIC AND SHALL BE ADJUSTED ACCORDINGLY PER ACTUAL FIELD CONDITIONS.
- WATER PIPING TO BE INSTALLED WITH ISOLATION VALVES IN COMPLIANCE WITH THE LOCAL PLUMBING CODE
- LAVATORIES TO BE SUPPLIED WITH TEMPERED WATER NOT TO EXCEED 105°F
- NO DEAD ENDS IN WATER SUPPLY OR SANITARY
- JOINTS BETWEEN PLASTIC PIPE AND NON PLASTIC MATERIAL SHALL BE MADE ONLY WITH AN APPROPRIATE TYPE OF ADAPTER
- ANY HEALTH OR SAFETY HAZARDS IN EXISTING PLUMBING SYSTEM MUST BE REVISED TO COMPLY WITH ALL CURRENT APPLICABLE CODES
- COORDINATE ALL REQUIRED INSPECTIONS WITH LOCAL AHJ.

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ALTERNATE #1
FURNISH & INSTALL SINK AS SCHEDULED FOR FOOD PANTRY.

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DATE: 6.24.24 EXP: 11.30.25

PLUMBING PLAN
MENTAL HEALTH AND AWARENESS CENTER

JOLIET JUNIOR COLLEGE - BUILDING B
1215 HUBBOLT ROAD
JOLIET, ILLINOIS

DATE: 6-24-2024
REVISED: 6-24-2024

PROJECT NO. 2303-02

SHEET NUMBER

P1

MGH ENGINEERING
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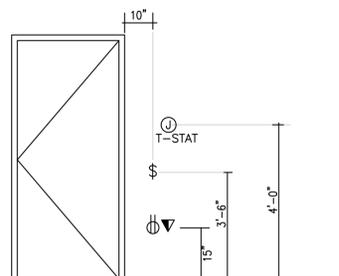
GENERAL NOTES

- THIS INSTALLATION SHALL BE IN COMPLIANCE WITH THE 2023 JOLIET, IL CODES OF ORDINANCES, AND NATIONAL CODES INCLUDING BUT NOT LIMITED TO: NEC2014, IECC2021, AND NFPA72.
- BEFORE COMMENCING WORK THE CONTRACTOR SHALL VISIT THE JOB SITE AND FULLY INFORM HIMSELF OR HERSELF OF ALL CONDITIONS THAT AFFECT THE WORK, EXAMINE THE DRAWINGS AND SPECIFICATIONS SHEET, AND SUBMIT ANY QUESTIONS IN WRITING TO THE ARCHITECT AND ENGINEER.
- ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION SHEET AND ALL OTHER DRAWINGS RELATED TO THE PERFORMANCE OF THE WORK.
- THE CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THIS WORK SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT REQUIREMENTS BEFORE COMMENCING ANY WORK. THE PROJECT DRAWINGS FORM THE BASIS OF THIS CONTRACT REQUIREMENTS AND INCLUDE THE TYPE AND GRADE OF MATERIALS TO BE INSTALLED, EQUIPMENT TO BE FURNISHED, THE MANNER BY WHICH TO BE INSTALLED AND WHERE TO BE LOCATED. IN THE EVENT OF A CONFLICT BETWEEN THE PROJECT SPECIFICATIONS AND DRAWINGS, THE MOST STRICT METHOD GOVERN UNLESS THE ARCHITECT/ENGINEER DIRECTS OTHERWISE.
- THE ELECTRICAL CONTRACTOR SHALL CHECK CAREFULLY ALL CONSTRUCTION DRAWINGS AND SPECIFICATION SHEET THAT ARE PART OF THIS PROJECT TO ENSURE THAT NO FIXTURE, OUTLET, ALARM STATION, CONTROL DEVICE, POWER WIRING DEVICE, ETC...IS OMITTED. HE/SHE SHALL CONSULT ALL TRADES FURNISHING EQUIPMENT AND OBTAIN FROM THEM ALL DATA. IN SOME CASES EQUIPMENT, FIXTURES AND DEVICES ARE SHOWN ONLY. ASCERTAIN AND PROVIDE THE WIRING AND CONTROL STATIONS REQUIRED FOR THE PROPER FUNCTION OF BUILDING EQUIPMENT. NO EXTRA CHARGES SHALL BE ACCEPTED BY OWNER AFTER BIDDING FOR SUCH EQUIPMENT AND LABOR.
- EQUIPMENT LABELS AND INSTRUCTIONS REGARDING THE APPLICATION AND INSTALLATION OF THE LISTED EQUIPMENT SHALL BE FOLLOWED TO INSURE THAT THE EQUIPMENT IS BEING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATIONS MUST BE CAREFULLY CORRELATED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE.
- INSTALL ELECTRICAL DEVICES AS INDICATED IN THIS SET OF DRAWINGS. ADJUST FINAL DEVICE LOCATIONS AS REQUIRED TO ACCOMMODATE WORK. COORDINATE WITH ALL TRADES INVOLVED AND WITH ARCHITECTURAL CASEWORK AND ELEVATIONS DRAWINGS. NOTIFY THE ENGINEER AND/OR THE ARCHITECT IF ANY CONFLICTS ARE FOUND PRIOR TO BIDDING PROJECT. INSTALL CONDUIT AND BOXES TO CLEAR EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL FEATURES.
- ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE JOB TO CLEAR DUCTS, PIPING, EQUIPMENT, AND/OR MECHANICAL UNITS.
- CONDUIT RUNS SHOWN ON DRAWINGS ARE DIAGRAMMATIC. ALL CONDUITS SHALL RUN CONCEALED, EXCEPT IN EQUIPMENT ROOMS AND WHERE APPROVED BY THE ARCHITECT.
- FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS.
- ADJACENT POWER AND DATA DEVICES SHALL BE SPACED NO MORE THAN 4" APART. PROVIDE JUNCTION BOX MOUNTING BRACKET BETWEEN STUDS AS NEEDED. SEE DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
- ALL RECEPTACLES, VOICE AND DATA OUTLETS SHALL BE MOUNTED PER MOUNTING HEIGHT LEGEND, UNLESS OTHERWISE NOTED. SEE DETAIL THIS SHEET FOR ADDITIONAL INFORMATION. ALL DEVICES SHALL BE NEW. REFER TO ARCHITECTURAL CASEWORK DRAWINGS AND ARCHITECTURAL ELEVATIONS FOR EXACT DEVICES MOUNTING HEIGHTS.
- REFER TO FIRE ALARM SHEET IN THIS SET OF DRAWINGS FOR FIRE ALARM SYSTEM INFORMATION.
- DETERMINE, IN ADVANCE OF PURCHASE, THAT ALL ELECTRICAL MATERIALS AND EQUIPMENT TO BE INSTALLED SHALL FIT INTO THE ROOM OR SPACE ALLOCATED, AS INDICATED ON THE DRAWINGS, ALLOWING SUFFICIENT CLEARANCE FOR THE SAFE SERVICE AND/OR MAINTENANCE OF RELATED EQUIPMENT, INCLUDING THAT OF OTHER TRADES.
- ALL CIRCUITS SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR INSTALLED. COLOR OF GROUNDING CONDUCTOR SHALL BE GREEN. SIZE OF GROUNDING CONDUCTOR SHALL BE AS REQUIRED PER NEC ARTICLE 250.122.
- ALL BRANCH CIRCUITS SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR INSTALLED UNLESS OTHERWISE INDICATED. COLOR OF NEUTRAL CONDUCTOR SHALL BE WHITE.
- ALL CONDUCTOR SHALL BE MADE OF COPPER. MINIMUM WIRE SIZE SHALL BE #12AWG UNLESS OTHERWISE INDICATED. UTILIZE SOLID CONDUCTORS FOR WIRE GAGES UP TO #12AWG AND STRANDED CONDUCTOR FOR GAGES #10AWG AND LARGER.
- SPECIAL RECEPTACLES PLUG CONFIGURATION REQUIREMENTS SHALL BE COORDINATED WITH EQUIPMENT PLUG REQUIREMENTS PRIOR TO INSTALLATION.
- ALL FEEDER AND BRANCH CIRCUIT WIRING INSTALLED INDOORS SHALL USE THIN INSULATION (90C). ALL WIRING INSTALLED OUTDOORS SHALL USE THWN INSULATION (75C). REFER TO SPECIFICATION SHEET FOR COLOR CODED REQUIREMENTS.
- ALL POWER WIRING SHALL BE INSTALLED IN A DEDICATED RACEWAY SYSTEM. MINIMUM RACEWAY SIZE SHALL BE 3/4" UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL SIZE ALL CONDUITS SO AS TO NOT EXCEED 40% OF CONDUIT FILLING CAPACITY. WHEN MORE THAN THREE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN THE SAME CONDUIT AND AMBIENT TEMPERATURES ADJUSTMENT FACTORS PER ELECTRICAL CODE TABLES 310.15(B)(2)(A), 310.15(B)(3)(A) SHALL BE APPLIED.
- ALL CIRCUITS SERVING EMERGENCY EXIT SIGNS, NIGHT LIGHTS AND EXTERIOR LIGHTS SHALL UTILIZE #10 WIRE TO MINIMIZED VOLTAGE DROP UNLESS OTHERWISE INDICATED.
- ALL BREAKERS SERVING FIRE ALARM EQUIPMENT AND EXIT SIGNS SHALL HAVE LOCK-OUT DEVICE INSTALLED UNLESS OTHERWISE INDICATED.
- DISTRIBUTION PANELS AND BRANCH CIRCUIT PANELBOARDS, SHALL BE LABELED WITH PANEL NAME AND ALSO HAVE A PANEL DIRECTORY INSTALLED. UTILIZE TYPE WRITER AS A MINIMUM FOR COMPLIANCE. HAND WRITTEN CARD DIRECTORIES ARE NOT ACCEPTABLE.
- DISTRIBUTION PANELS, BRANCH PANELBOARDS, DISCONNECT SWITCHES, ETC. SHALL BE LABEL WITH A READILY VISIBLE LABEL PER NFPA 70E, STANDARD FOR SAFETY IN THE WORKPLACE, LABEL SHALL BE CLEARLY VISIBLE TO PERSONNEL AND SHALL READ "CAUTION ARC FLASH HAZARD" ALSO LABELS SHALL INDICATE THE AVAILABLE SHORT CIRCUIT CURRENT AT EQUIPMENT, VOLTAGE, PHASES, SIZE AND COLOR OF TEXT SHALL BE PER STANDARD.
- ALL FINAL CONNECTIONS TO MOTORS AND VIBRATING EQUIPMENT SHALL BE DONE WITH LIQUID TIGHT FLEXIBLE METAL CONDUIT. INSTALL GREEN GROUNDING CONDUCTOR.
- ALL FINAL BREAKERS AND CONDUCTORS SIZES SERVING MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH MECHANICAL SHOP DRAWINGS AND CONTRACTOR PRIOR TO INSTALLATION. E.C. SHALL COORDINATE WITH HVAC CONTRACTORS EXACT POINT OF CONNECTION TO THE EQUIPMENT PRIOR TO ROUGH-IN.

GENERAL NOTES (CONTINUE)

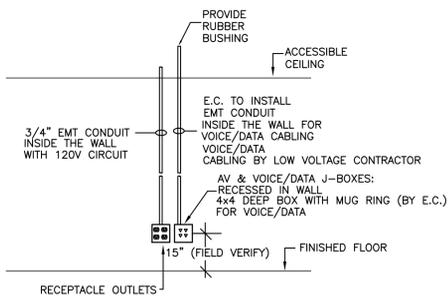
- ALL EQUIPMENT INSTALLED OUTSIDE SHALL BE WEATHER PROOF RATED. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.
- INSTALL CONDUIT FROM THE TOP OF THE BAR JOIST.
- LABEL ALL J-BOXES COVER PLATES, RECEPTACLES COVER PLATES WITH CIRCUIT INFORMATION AND PANEL SOURCE. UTILIZE P-TOUCH LABEL OR APPROVED EQUAL.
- ALL MOUNTING HEIGHTS OF DEVICES SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS OR ARCHITECT PRIOR TO ROUGH-IN.
- DO NOT INSTALL DEVICES IN DIFFERENT ROOMS BACK TO BACK. PROVIDE 6" SIDE BY SIDE IN BETWEEN.
- COORDINATE EXACT FURNITURE POWER AND VOICE/DATA FEEDING CONNECTIONS AT EACH LOCATION PRIOR TO ROUGH-IN.
- GENERAL USE RECEPTACLES SHALL BE WHITE IN COLOR WITH STEEL COVER PLATES. FINAL COLOR OF RECEPTACLES & COVER PLATES SHALL BE AS SELECTED BY THE ARCHITECT OR OWNER.
- E.C. SHALL INSTALL J-BOX AND CONDUIT FOR MECHANICAL THERMOSTATS. COORDINATE EXACT LOCATIONS WITH M.C. E.C. SHALL FURNISH AND INSTALL WIRING AND TERMINATE ALL LINE VOLTAGE THERMOSTATS.
- FIRE PROOF ALL PENETRATIONS THRU WALLS AND FLOORS TO RE-STABLISH THE FIRE RATING OF PARTITION.
- PROVIDE MULTI-GANG J-BOX FOR INSTALLATION OF WIRING DEVICES LOCATED AT THE SAME LOCATION UNLESS OTHERWISE INDICATED ON THE FLOOR PLANS. PROVIDE METALLIC DIVIDER PLATES BETWEEN DIFFERENT CIRCUITS IN THE SAME BOX.
- ALL PULL BOXES AND JUNCTION BOXES SHALL BE SIZED PER ELECTRICAL CODE ARTICLE 314, TABLES 314.16 BASED IN THE AMOUNT OF CABLE AND CONDUITS ENTERING/LEAVING THE BOX.
- VOICE/DATA/AUDIO VISUAL (AV) SYSTEMS CABLING AND EQUIPMENT SHALL BE PROVIDED BY LOW VOLTAGE CONTRACTOR. EC SHALL PROVIDE REQUIRED JUNCTION BOXES, CONDUIT, AND PULL STRING FOR ALL LOCATIONS.
- FOR THE AREA OF WORK WITH DAMAGED, DETERIORATED, COMPROMISED OR MISSING FIREPROOFING CREATED OR EXPOSED DURING CONSTRUCTION SHALL BE RESTORED TO FULL PROTECTIVE CAPACITY.

MOUNTING HEIGHTS



NOTES:
1- ALL HEIGHTS FOR OUTLETS ARE AS INDICATED. COORDINATE WITH INTERIOR ARCHITECTURAL DRAWINGS. WHERE DIFFERENCES EXIST, USE ARCHITECTURAL MOUNTING HEIGHTS.

ELECTRIC AND VOICE/DATA OUTLETS



NOTE:
1-ADJACENT POWER AND DATA/PHONE DEVICES SHALL BE SPACED NO MORE THAN 4" APART. PROVIDE JUNCTION BOX MOUNTING BRACKET BETWEEN STUDS AS NEEDED.
2-ALL RECEPTACLE OUTLETS SHALL BE PROVIDED W/ P-TOUCH LABEL WITH CIRCUIT # AND SOURCE PANEL TAGS

ELECTRICAL SYMBOL LIST

- ⊖# DUPLEX RECEPTACLE, # INDICATES CIRCUIT
- ⊖ SIMPLEX RECEPTACLE
- C ⊖ SIMPLEX RECEPTACLE CLOCK STYLE
- GFI ⊖ DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER
- U ⊖ DUPLEX RECEPTACLE, W/2 USB PORTS
- S ⊖ SWITCHED DUPLEX RECEPTACLE
- ⊖# QUAD RECEPTACLE (# INDICATES CIRCUIT)
- ⊖ AC QUAD RECEPTACLE MOUNTED ABOVE THE COUNTER. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT
- AS ⊖ DUPLEX RECEPTACLE MOUNTED AT SWITCH HEIGHT
- ⊖ SPECIAL RECEPTACLE COORDINATE EXACT REQUIREMENTS WITH EQUIP. SERVING
- ⊖ FLUSH MOUNTED FLOOR BOX WITH DUPLEX RECEPTACLE
- ⊖ FB FLOOR BOX (REFER TO FLOOR PLAN FOR REQUIREMENTS: PWR, VOICE/DATA & AV)
- ⊖ OFFICE POWER POLE
- ⊖ FB PULL BOX
- \$ TOGGLE SWITCH SPECIFICATION GRADE
- \$ D TOGGLE SWITCH WITH DIMMER
- \$ 3 3-WAY TOGGLE SWITCH
- \$ K KEYED SWITCH
- \$ M,K MOMENTARY CONTACT SWITCH - CENTER OFF
- \$ P RED PILOT LIGHT SWITCH (ON IN THE ON POSITION)
- \$ OS WALL SWITCH OCCUPANCY SENSOR
- ⊖ CEILING MOUNTED OCCUPANCY SENSOR
- ⊖ DL DAY LAY SENSOR
- ⊖ PC PHOTOCELL FOR OVERRIDE TIME CLOCK FUNCTION
- ⊖ HEAVY DUTY FUSIBLE DISCONNECT SWITCH
- ⊖ HEAVY DUTY NON-FUSIBLE DISCONNECT SWITCH
- ⊖ JUNCTION BOX
- ⊖ SINGLE POLE DISCONNECT SWITCH TOGGLE STYLE
- ⊖ CONTROL TRANSFORMER WITH DISCONNECT SWITCH
- ⊖ MOTOR WITH MOTOR RATED DISCONNECT SWITCH.
- ⊖ HOT, NEUTRAL, GROUND CONDUCTOR IN RACEWAY
- CONDUIT CONCEALED IN WALL/ABOVE THE CEILING
- CONDUIT IN CONCRETE SLAB/UNDERGROUND
- EXPOSED CONDUIT
- FLEXIBLE METAL CONDUIT
- SLEEVE WITH END BUSHINGS ACC SIZE AS INDICATED IN DRAWINGS
- ⊖ M MICROPHONE OUTLET
- ⊖ VOICE/DATA OUTLET (2-PORT) (C3,3-PORTS; C4,4-PORTS, ETC)
- ⊖ 4x4 DEEP BOX WITH MUG RING AND ONE (1) 3/4" C. VOICE OUTLET
- ⊖ 4x4 DEEP BOX WITH MUG RING AND ONE (1) 3/4" C. VOICE/DATA OUTLET
- ⊖ 4x4 DEEP BOX WITH MUG RING AND ONE (1) 3/4" C. AUDIO/VISUAL/DATA OUTLET
- ⊖ 4x4 DEEP BOX WITH MUG RING AND ONE (1) 1 1/4" C. TO ACC WITH END BUSHING)
- ⊖ WIRELESS ACCESS POINT
- ⊖ SEC. CAMERA BY SEC. CONTRACTOR (E.C TO ROUGH-IN 3/4" C UP TO ABOVE ACC. COORD. WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN
- ⊖ ROUGH IN FOR ACCESS CONTROL CARD READER
- ⊖ PREPARE DOOR FOR SECURITY DOOR CONTACT
- ⊖ ROUGH IN FOR REQUEST TO EXIT DEVICE
- ⊖ WALL/CORNER/CEILING MOUNTED MOTION SENSOR
- ⊖ CEILING MOUNTED OCCUPANCY SENSOR
- ⊖ PREPARE DOOR FOR ELECTRIC HARDWARE
- ⊖ PREPARE DOOR FOR MAG-LOCK
- ⊖ ROUGH-IN FOR SECURITY KEY PAD
- ⊖ FIRE ALARM CONTROL PANEL
- ⊖ FAAP FIRE ALARM REMOTE ANNUNCIATOR PANEL
- ⊖ BPS FIRE ALARM REMOTE BOOSTER POWER SUPPLY
- ⊖ FIRE ALARM DOUBLE ACTION PULL STATION
- ⊖ WALL MOUNTED FIRE ALARM STROBE (DEVICE W/ AN "C" IS CEILING MTD)
- ⊖ WALL MOUNTED FIRE ALARM HORN/STROBE (W/ AN "C" IS CEILING MTD)
- ⊖ FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR
- ⊖ FIRE ALARM HEAT DETECTOR (SEE DRAWINGS FOR TYPE) 135FK, ZODFX, RATE OF RISE (ROR)
- ⊖ DD FIRE ALARM DUCT SMOKE DETECTOR
- ⊖ FIRE ALARM DUCT DETECTOR REMOTE KEYED TEST SWITCH
- ⊖ FIRE ALARM MONITOR MODULE
- ⊖ FIRE ALARM CONTROL RELAY
- ⊖ FIRE PROTECTION WATER FLOW SWITCH (INTERFACE WITH FACP VIA MM)
- ⊖ FIRE PROTECTION TAMPER SWITCH (INTERFACE WITH FACP VIA MM)
- ⊖ KNOX BOX
- ⊖ CEILING MOUNTED SPEAKER
- ⊖ ADA MOTORIZED DOOR OPENER PUSH BUTTON
- ⊖ UNIVERSAL MOUNTED (CEILING/WALL) EXIT SIGN WITH CHEVRONS (SEE LIGHT FIXTURE SCHEDULE)
- ⊖ 2 x 4 SURFACE MOUNTED LIGHT FIXTURE (SEE LIGHT FIXTURE SCHEDULE)
- ⊖ 2 x 4 RECESSED MOUNTED LIGHT FIXTURE (SEE LIGHT FIXTURE SCHEDULE)
- ⊖ 2 x 2 RECESSED MOUNTED LIGHT FIXTURE (SEE LIGHT FIXTURE SCHEDULE)
- ⊖ NIGHT LIGHT FIXTURE (SEE LIGHT FIXTURE SCHEDULE)
- ⊖ LIGHT FIXTURE (SEE LIGHT FIXTURE SCHEDULE)
- ⊖ EMERGENCY LIGHT (SEE LIGHT FIXTURE SCHEDULE)
- ⊖ SINGLE HEAD POLE LIGHT SYSTEM (SEE LIGHT FIXTURE SCHEDULE)
- ⊖ AN ANTENA
- ⊖ PANELBOARD
- ⊖ UTILITY TRANSFORMER

ABBREVIATIONS

WP	WEATHER PROOF
WG	WIRE GUARD
AC	ABOVE THE COUNTER
CLG C	CEILING MOUNTED DEVICE
TG	TAMPER GUARD
TR	TAMPER RESISTANT
(R)	RETURN DUCTWORK
(S)	SUPPLY DUCTWORK
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
VEL	VERIFY EXACT LOCATION PRIOR TO ROUGH-IN
+42	DEVICE MOUNTED AT 42 INCHES AFF
AFF	ABOVE FINISH FLOOR
EWG	ELECTRICAL WATER COOLER
WP/	METAL WHILE-IN-USE COVER WEATHER PROOF SIMILAR TO
IN USE	EATON WIUMH-1 SERIES
OHD	OVERHEAD DOOR
NL	NIGHT LIGHT
ACC	ABOVE ACCESSIBLE CEILING
S.C.	SECURITY CONTRACTOR
WP	WEATHER PROOF
ATS	AUTOMATIC TRANSFER SWITCH
AHJ	AUTHORITY HAVING JURISDICTION
HD	ELECTRICAL HAND DRYER
IWH	INSTANTANEOUS ELECTRICAL WATER HEATER
X	EXISTING DEVICE TO REMAIN
XRR	EXISTING DEVICE TO BE REMOVED AND RELOCATED
XR	EXISTING DEVICE RELOCATED
N	NEW DEVICE
FF	FURNITURE FEEDER

ELECTRICAL DRAWING LIST

E0	ELECTRICAL SYMBOL LIST & GENERAL NOTES
ED1	FLOOR PLANS - ELECTRICAL DEMOLITION
E1	FLOOR PLANS - ELECTRICAL PROPOSED
EL1	FLOOR PLANS - LIGHTING PROPOSED
E2	ELECTRICAL PANEL SCHEDULES, RISER DIAGRAM & DETAILS
E3	ELECTRICAL SPECIFICATION SHEET

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DATE: 06.25.24 EXP: 11.30.25

ELEC. SYMB LIST & GEN. NOTES
MENTAL HEALTH AND AWARENESS CENTER
JOLIET JUNIOR COLLEGE
BUILDING J - GROUND FLOOR
1215 HOUBOLT ROAD
JOLIET, ILLINOIS

DATE: 06-25-2024
REVISED: 06-25-2024

PROJECT NO. 2403-02

SHEET NUMBER

E0

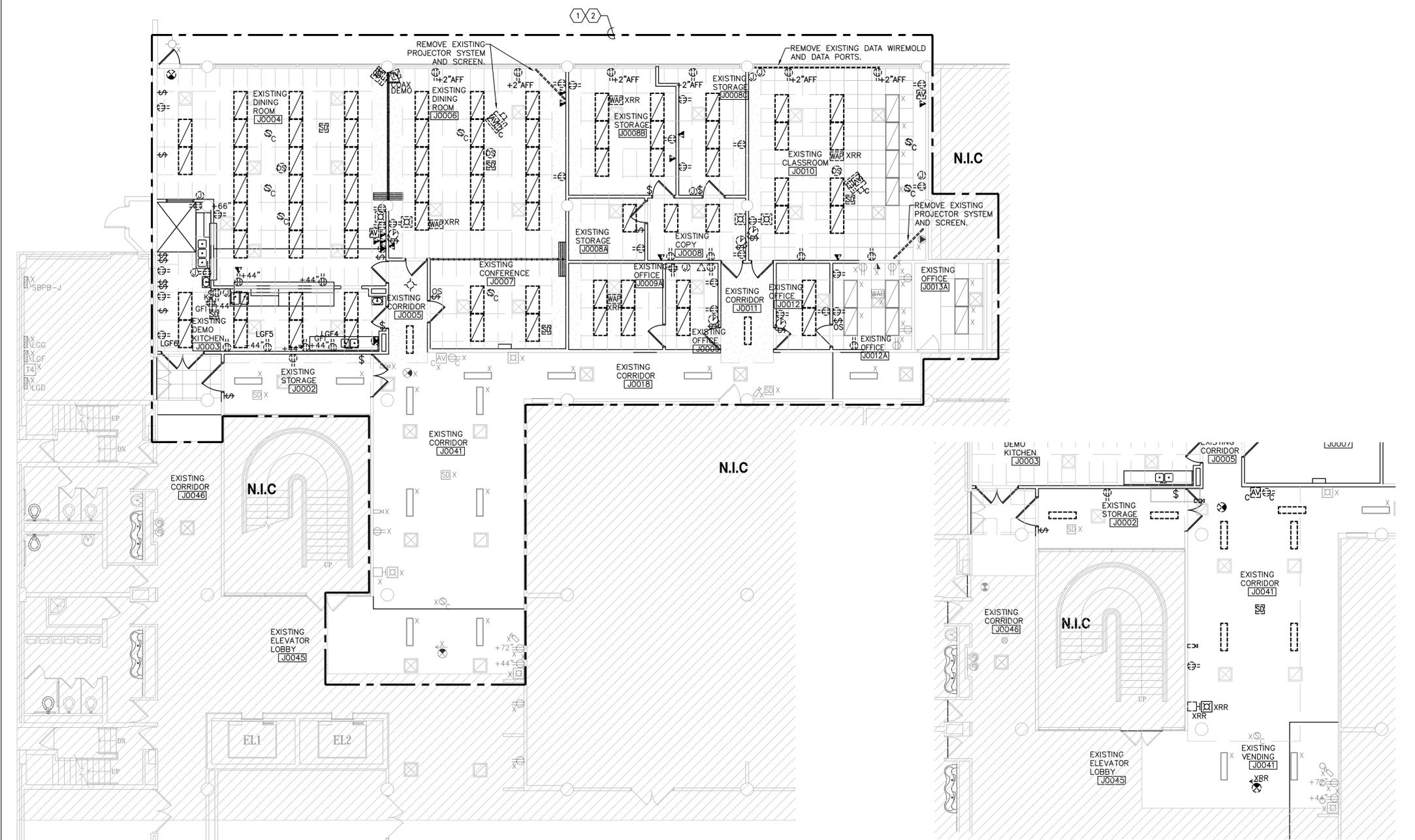


GENERAL DEMOLITION NOTES

- EACH CONTRACTOR SHALL REVIEW THE EXISTING SYSTEMS IN THE FIELD ALONG WITH BID DOCUMENTS AND DETERMINE SELECTIVE DEMO AND ADDITION OF TEMPORARY SYSTEMS (IF REQUIRED) TO MAKE PHASED DEMO AND PROPOSED REMODELING. IT SHALL ASSURE UNINTERRUPTED SAFE OPERATION OF AREAS THAT ARE AFFECTED BY DEMO AND ADDITION OF PROPOSED SYSTEMS AT ALL TIMES. INCLUDE THE NECESSARY WORK TO ACCOMPLISH THIS AND COORDINATE PHASING ACCORDINGLY.
- CONFIRM WITH THE MANUFACTURERS OF EXISTING EQUIPMENT THAT IS TO BE REUSED OR EXTENDED.
- WHERE EXISTING ELECTRICAL WORK PREVENTS PROPER CONSTRUCTION OF NEW WORK AS INDICATED, REMOVE, REROUTE, RELOCATE, OR IN OTHER WAYS ALTER EXISTING WORK IN ORDER TO ACCOMMODATE.
- WHERE EXISTING CONDUIT, WIRE, SUPPORTS, HANGERS AND OTHER ELECTRICAL WORK MUST BE REMOVED AS A RESULT OF THE ALTERATIONS, THEY SHALL BE COMPLETELY REMOVED, BACK TO THE FIRST OUTLET WHICH IS LEFT UNAFFECTED BY THE DEMOLITION. CONDUIT WHICH IS BURIED IN CONCRETE OR OTHERWISE INACCESSIBLY POSITIONED MAY BE ABANDONED. IN SUCH CASES, WIRE SHALL BE PULLED OUT AND THE CONDUIT SHALL BE PLUGGED AND FILLED WITH CONCRETE AT EACH END.
- EXISTING ELECTRICAL MATERIALS AND EQUIPMENT AND ALL ASSOCIATED WIRING, CABLING AND CONDUIT SHALL BE REMOVED BACK TO SOURCE, INCLUDING LIGHTING FIXTURES, SWITCHES, RECEPTACLES, SIGNAL LIGHTS, SPEAKERS, INTERCOM EQUIPMENT, CONTROLS, CONDUIT OUTLETS, FITTINGS, AND OTHER DEVICES REMOVED AS A RESULT OF THE ALTERATIONS SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE REUSED WHERE INDICATED UNLESS OTHERWISE INDICATED.
- EXAMINE THE CONDITION OF ANY SUCH MATERIALS AND EQUIPMENT TO MAKE A PRIOR DETERMINATION OF WHETHER IT IS SUITABLE FOR REUSE. PRESENT FINDINGS TO THE ENGINEER WHO WILL IN TURN MAKE THE FINAL DECISION REGARDING REUSABILITY. ALL WIRE AND CABLE FOR REUSED AND RELOCATED EQUIPMENT SHALL BE NEW.
- IN ORDER TO COORDINATE THE WORK OF THE MECHANICAL AND ELECTRICAL TRADES, REMOVE EXISTING ELECTRICAL WORK IN AND ABOVE CEILING OF THESE AREAS (AS REQUIRED), AFTER WHICH INSTALL NEW WORK AND REINSTALL EXISTING WORK TO REMAIN, AS SHOWN ON THE DRAWINGS. EXISTING MATERIALS AND EQUIPMENT SHALL BE REUSED ONLY WHERE INDICATED.
- SOME EXCEPTIONS MAY ARISE WHEREIN EQUIPMENT, EITHER IN ALTERED AREAS OR OTHER AREAS, MUST BE KEPT IN SERVICE, REQUIRING THAT FEEDERS, SIGNAL CONDUCTORS, CONDUITS, BOXES, ETC. SERVING SAME ALSO BE KEPT IN SERVICE. IN SUCH CASES, THOSE ELECTRICAL FEEDERS, SIGNAL CONDUCTORS, CONDUITS, ETC. SHALL BE REROUTED AND RECONNECTED BEFORE PRESENT WORK IS REMOVED. IF THIS IS NOT POSSIBLE, TEMPORARY WIRING SHALL BE PROVIDED, AFTER WHICH NEW WORK SHALL BE INSTALLED AND TEMPORARY WIRING REMOVED.
- ANY ELECTRICAL EQUIPMENT THAT IS TAGGED TO BE DISPOSED OF SHALL BE DONE PER APPROVED METHOD IN ACCORDANCE WITH THE CONSTRUCTION PLAN AND LOCAL AUTHORITIES.
- THIS DRAWING INDICATES AREAS THAT ARE BEING AFFECTED BY THE DEMOLITION. DASHED LINES SHOW EXISTING MATERIALS AND EQUIPMENT TO BE REMOVED. SOLID LINES SHOW EXISTING MATERIALS AND EQUIPMENT TO REMAIN (X). ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT AFFECTED BY THE DEMOLITION AND WILL KEEP REMAINING EQUIPMENT CONNECTED, POWERED TO THE EXISTING CIRCUITS AS REQUIRED.
- THIS DRAWING SHOWS A REPRESENTATIVE SAMPLE OF DEMOLITION WORK THAT IS TO TAKE PLACE. NOTE THAT NOT EVERY DEVICE, LIGHTING FIXTURE, CONDUIT ETC. REQUIRED TO BE DEMOLISHED IS NECESSARILY INDICATED ON THIS PLAN. THE CONTRACTOR SHALL VISIT THE JOB SITE TO FAMILIARIZE HIMSELF/HERSELF WITH THE EXTENT OF EXISTING WORK TO BE DEMOLISHED.
- ALL PROPOSED DEMOLITION WORK SHALL BE THOROUGHLY COORDINATED WITH ALL OTHER TRADES.
- MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS, FEEDERS AND BRANCH CIRCUITS PASSING THROUGH RENOVATED AREA AND SERVING UNDISTURBED AREAS.
- ANY PORTION OF THE EXISTING CONDUIT SYSTEM THAT IS TO BE REUSED FOR THE NEW INSTALLATION SHALL BE CHECKED TO ENSURE THAT IT IS CLEAN, FREE OF DAMAGE, FREE OF CORROSION, AND ADEQUATELY SUPPORTED. REMOVED RACEWAY SHALL NOT BE RE-USE.
- DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT, DEVICES AND CONDUITS IN WALLS, FLOORS AND CEILING SCHEDULED FOR DEMOLITION.
- EXISTING ELECTRICAL SYSTEM IS DESCRIBED BASED ON SURVEYS OF EXISTING CONDITIONS THAT WERE VISIBLE DURING THE SURVEY. CONTRACTOR SHALL CONFIRM ALL SERVICES PRIOR TO PROCEEDING WITH DEMOLITION.
- PATCH ALL HOLES IN SLABS, WALLS AND CEILING WHERE ELECTRICAL DEVICES AND/OR CONDUIT ARE REMOVED. IF THE REMOVAL OF CONDUIT, BOXES, EQUIPMENT, ETC. COMPROMISES THE FIRE RATING OF THESE ITEMS, THE CONTRACTOR SHALL SEAL OPENINGS WITH CODE APPROVED FIRE STOPPING MATERIAL TO RE-ESTABLISH THE ORIGINAL RATE OF PARTITION.
- WHERE FEEDERS OR BRANCH CIRCUITS ARE DISCONNECTED AND REMOVED FROM EXISTING PANEL BOARDS, CONTRACTOR SHALL MARK THE AFFECTED BREAKERS IN THOSE PANEL BOARDS AS "SPARE". INSTALL NEW KNOCK-OUT BLANK INSERT IN PANEL BOX.
- CONTRACTOR IS TO PERFORM DEMOLITION WORK IN A NEAT, SKILLFUL, AND CAREFUL MANNER SO AS NOT TO DAMAGE OR DEFACE EXISTING CONSTRUCTION THAT IS TO REMAIN.
- VERIFY THAT REMOVAL OF DEVICES IN RENOVATED AREA DOES NOT AFFECT DEVICES IN OTHER AREAS THAT MAY BE FED FROM THE CIRCUIT BEING DISCONNECTED. BYPASS RACEWAY AND WIRING AS REQUIRED TO KEEP REMAINING DEVICES OPERATIONAL.
- ALL ABANDONED AND/OR UNUSED COMPONENTS CREATED OR EXPOSED DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO CABLES, WIRING, RACEWAY, J-BOXES AND ASSOCIATED SUPPORTS AND OR ATTACHMENTS SHALL BE REMOVED.
- RETAIN EXISTING CONDUIT, JUNCTION BOXES, AND CIRCUITING AS APPLICABLE WHEN IT MAKE SENSE, AND WHEN IN GOOD CONDITIONS.
- REMOVE ALL LOW VOLTAGE CABLING INDICATED UNDER DEMOLITION BACK TO THE SOURCE. ALL CABLING, HANGERS, TIES AND CONDUIT ARE TO BE REMOVED ENTIRELY. PROVIDE NEW CABLING, JACKS & COVER PLATES FOR ALL VOICE/DATA OUTLETS. CONFIRM CABLING REQUIREMENTS WITH OWNER.

ELECTRICAL DEMOLITION PLAN NOTES

- ELECTRICAL DEVICES INDICATED UNDER DEMOLITION (NOT TAGGED WITH "X") OR IN THE WAY OF NEW CONSTRUCTION SHALL BE DISCONNECTED AND REMOVED. REMOVED RACEWAY AND WIRING BACK TO UNAFFECTED AREA/DEVICES FOR RECONNECTION TO NEW DEVICES. BYPASS PANEL CARD DIRECTORY TO REFLECT NEW CHANGES. DISPOSE OF LAMPS PER E.P.A. REQUIREMENTS. DEVICES LABELED "XRR" ARE EXISTING DEVICES TO BE REMOVED AND RELOCATED. RETAIN THOSE DEVICES FOR REINSTALLATIONS AT NEW LOCATIONS. ALL EMPTY CIRCUITS SHALL BE REMOVE BACK TO PANEL, TURN OFF BREAKER AND LABELED "SPARE".
- VOICE AND DATA OUTLETS SHALL BE DISCONNECTED AND REMOVED. REMOVE RACEWAY AND CABLING BACK TO SOURCE. IF NEW VOICE AND DATA OUTLET MATCH EXISTING LOCATION, CONTRACTOR SHALL KEEP EXISTING J-BOX AND RACEWAY FOR INSTALLATION OF NEW VOICE/DATA OUTLET. INSTALL BLANK FINISH COVER PLATE OF COLOR TO MATCH SURROUNDING AREA IF NOT NEW VOICE/DATA WILL BE INSTALLED.
- REMOVE EXISTING WIRELESS ACCESS POINT (WAP), SALVAGE AND RETURN BACK TO OWNER. REMOVE RACEWAY AND WIRING BACK TO UNAFFECTED AREA. REFER TO PROPOSED PLAN FOR ADDITIONAL INFORMATION.



PARTIAL FLOOR PLAN – ELECTRICAL DEMOLITION
ALTERNATE #0

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



PARTIAL FLOOR PLAN – ELECTRICAL DEMOLITION

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

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DATE: 06.25.24 EXP: 11.30.25

FLOOR PLANS - ELECTRICAL DEMO
MENTAL HEALTH AND AWARENESS CENTER
JOLIET JUNIOR COLLEGE
BUILDING J - GROUND FLOOR
1215 HOUBOLT ROAD
JOLIET, ILLINOIS

DATE: 06-25-2024

REVISED: 06-25-2024

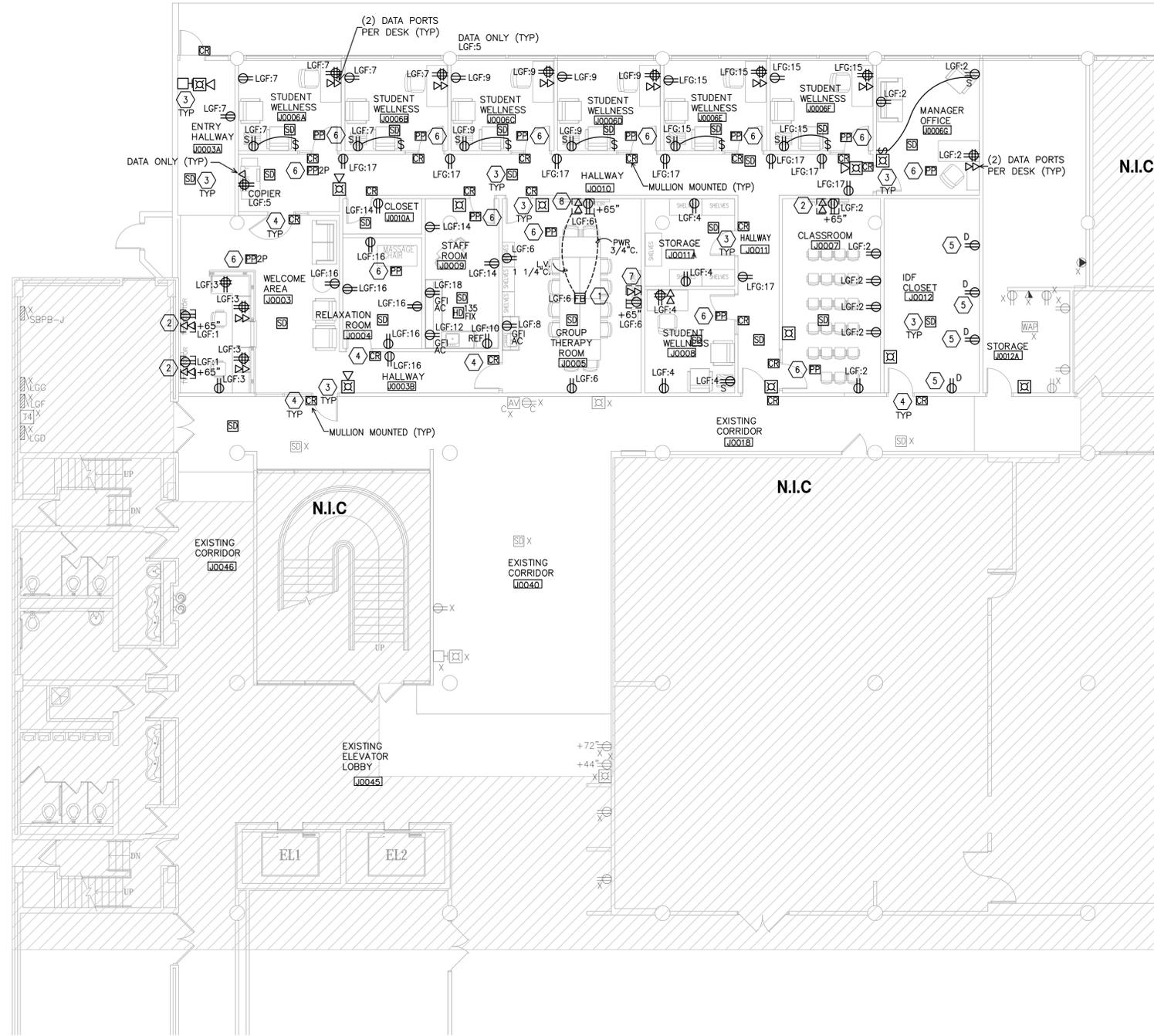
PROJECT NO. 2403-02

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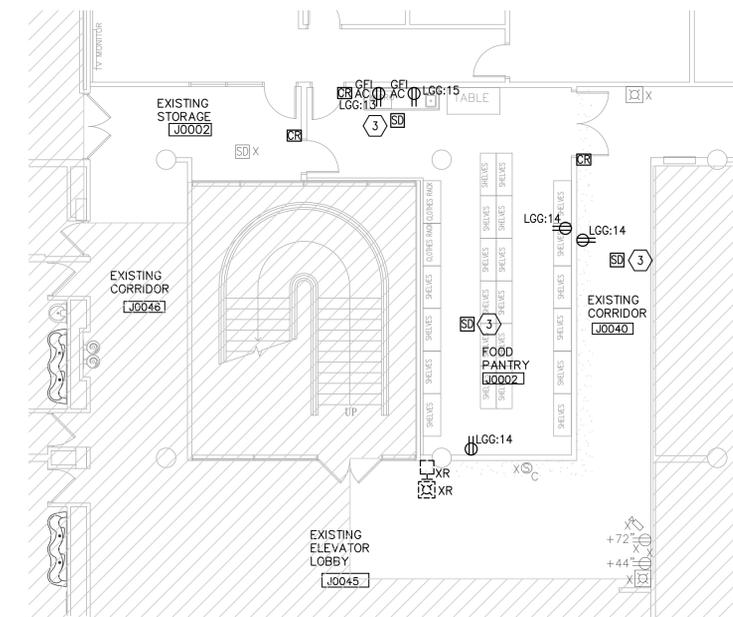


FLOOR PLAN – ELECTRICAL PROPOSED

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

ELECTRICAL PLAN NOTES

- 1 FLOOR BOX WITH (2) DUPLEX RECEPTACLES, (2) DATA OUTLETS. PROVIDE ALL REQUIRED HARDWARE FOR A COMPLETE INSTALLATION AND OPERATING SYSTEM. COORDINATE EXACT LOCATION WITH FURNITURE SERVING PRIOR TO ROUGH IN.
- 2 RECESSED MOUNTED TV WALL BOX WITH INTEGRALLY MOUNTED RECEPTACLE AND (2) DATA OUTLETS.
- 3 FURNISH AND INSTALL NEW FIRE ALARM DEVICE COMPATIBLE WITH THE EXISTING FIRE ALARM (FA) SYSTEM SERVING THE BUILDING AND CONNECT FOR A COMPLETE INSTALLATION AND OPERATING SYSTEM.
- 4 E.C. TO INSTALL CARD READER JUNCTION BOX AND CONDUIT STUBBED UP INTO ACCESSIBLE CEILING, THEN CONTRACTOR TO INSTALL OWNER PROVIDED CABLING FROM ACCESS BOX IN IT ROOM AND STUBBED INTO DOOR FRAME DOWN TO DOOR STRIKE LOCATION AND ALSO STUBBED INTO CARD READER BOX. FINAL DEVICE CONNECTIONS TO BE MADE BY OWNERS STAFF.
- 5 NEW RACK EQUIPMENT E.C. SHALL PROVIDE NEW 120V DEDICATED CIRCUIT FROM EXISTING 120V EMERGENCY POWER PANEL SERVING AREA. USE #10 WIRE.
- 6 20A-120V-SINGLE POLE OR TWO POLE FOR MULTIPLE CIRCUITS. POWER PACK TO BE INTERCONNECTED WITH OCCUPANCY SENSOR IN ROOM/AREA (SEE LIGHTING PLAN) CONNECT 50% OF THE RECEPTACLES IN ROOM VIA POWER PACK TO TURN OFF WHEN THERE IS NOT ACTIVITY IN THE ROOM/AREA. PROVIDE RECEPTACLES THAT ARE TAGGED WITH THE ICON (1-0) FOR IDENTIFICATION. FOR EVERY QUAD LOCATION SWITCH ONE DUPLEX. CONTRACTOR HAS THE OPTION OF USING WIRELESS RECEPTACLES DEVICES WITH INTEGRALLY MOUNTED RELAY AND COMPATIBLE LIGHTING OCCUPANCY SENSOR IN ORDER TO MINIMIZE COST.
- 7 GROUP THERAPY ROOM RECESSED MOUNTED TV WALL BOX WITH INTEGRALLY MOUNTED RECEPTACLE AND (2) DATA OUTLETS. ONE TO IDF AND OTHER STUBBED ABOVE TO OTHER TV LOCATION.
- 8 GROUP THERAPY ROOM RECESSED MOUNTED TV WALL BOX WITH INTEGRALLY MOUNTED RECEPTACLE AND (2) DATA OUTLETS. ONE TO IDF AND OTHER TO FLOOR BOX, ALSO PROVIDE STUBBED TO ABOVE THE CEILING CONDUIT TO OTHER TV LOCATION IN ROOM.



PARTIAL FLOOR PLAN – ELECTRICAL PROPOSED
ALTERNATE #0

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



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FLOOR PLANS - ELECTRICAL PROPOSED
MENTAL HEALTH AND AWARENESS CENTER
JOLIET JUNIOR COLLEGE
BUILDING J - GROUND FLOOR
1215 HOUBOLT ROAD
JOLIET, ILLINOIS

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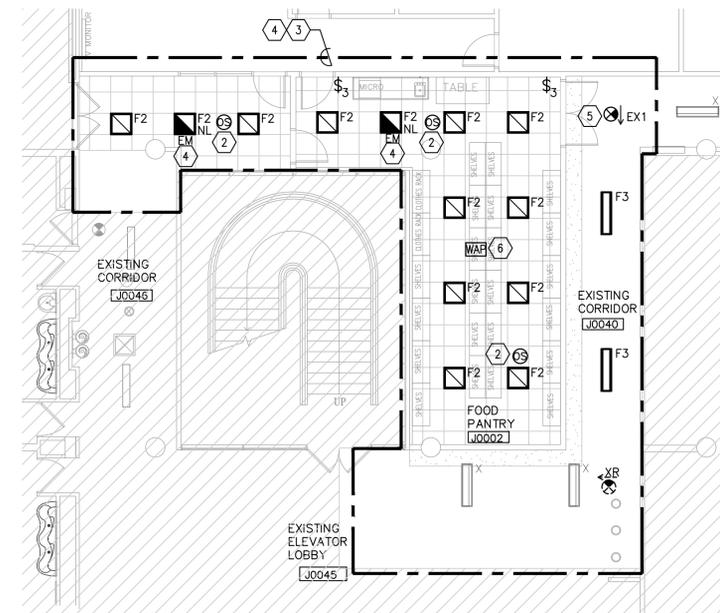
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FLOOR PLAN – LIGHTING PROPOSED
 SCALE: 1/8" = 1'-0"
 NORTH

ELECTRICAL PLAN NOTES

- 1 FURNISH AND INSTALL NEW BUILDING STANDARD LITHONIA OR LEVITON LED MANUAL SWITCH WITH OCCUPANCY SENSOR.
- 2 LITHONIA OR LEVITON LED OCCUPANCY SENSOR AND/OR POWER PACK, CONNECT TO LIGHT FIXTURES IN ROOM.
- 3 FURNISH AND INSTALL NEW LED BUILDING STANDARD LIGHT FIXTURE(S) AND CONNECT TO EXISTING LIGHTING CIRCUIT SERVING AREA/PREVIOUSLY ON WITH SUFFICIENT SPARE CAPACITY TO CONNECT THE NEW LOAD AND TO OPERATE AS INDICATED. MATCH EXISTING WIRING AND RACEWAY SIZE AND TYPE CURRENTLY BEING USED.
- 4 USE EXISTING EMERGENCY LIGHTING CIRCUIT(S) WITH SUFFICIENT SPARE CAPACITY FROM THE EXISTING EMERGENCY GENERATOR SYSTEM SERVING AREA TO CONNECT NEW EMERGENCY LIGHTING. PROVIDE GTD MODULE FOR EACH FIXTURE THAT IS NOT NIGHT LIGHT AS REQUIRED TO SWITCH LIGHT "ON" & "OFF" AND TO OPERATE AS EMERGENCY LIGHTS UNDER NORMAL POWER LOSS. FURNISH AND INSTALL NEW RACEWAY AND WIRING TO MATCH EXISTING CURRENTLY BEING USED.
- 5 FURNISH AND INSTALL NEW EXIT SIGN AND CONNECT TO EXISTING EXIT SIGN CIRCUIT SERVING AREA.
- 6 WIRELESS ACCESS POINT (WAP), PROVIDED AND INSTALLED BY OWNER STAFF. OWNER STAFF HAVE THE OPTION OF REUSE EXISTING OR PROVIDE NEW AS REQUIRED AND CONNECT TO NEW IDF ROOM.
- 7 CAMERA PROVIDED AND INSTALLED BY OWNERS STAFF. PROVIDE JUNCTION BOX AT CEILING AND CABLING TO LOCATION BACK NEW IDF ROOM.



PARTIAL FLOOR PLAN – LIGHTING PROPOSED
 ALTERNATE #0

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



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ILLINOIS DESIGN FIRM NO. 184-005411

A. GENERAL REQUIREMENTS:

- SCOPE OF WORK:
 - FURNISH AND INSTALL A COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE CONTRACT DRAWINGS. THE INSTALLATION SHALL BE COMPLETE IN EVERY DETAIL ESSENTIAL TO PROPER AND SATISFACTORY OPERATION, READY FOR USE AND IN CONDITION FOR SERVICE WHEN DELIVERED TO THE OWNER. MANUFACTURED ITEMS SHALL BE ERECTED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS EXCEPT AS OTHERWISE SPECIFIED HEREIN.
 - REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION AND COORDINATION.
- APPROVALS:
 - OBTAIN APPROVALS FROM INSPECTION AUTHORITIES FOR ELECTRICAL INSTALLATIONS REQUIRING SPECIFIC APPROVAL. PRINTS OF THE ELECTRICAL DRAWINGS, FOR THIS PURPOSE, WILL BE FURNISHED UPON REQUEST. REQUIRED WIRING DIAGRAMS SHALL BE PROVIDED AND SUBMITTED FOR APPROVAL BY THE CONTRACTOR. COPIES OF THE FINAL APPROVALS SHALL BE OBTAINED BEFORE COMMENCEMENT OF RELATED WORK.
- CODES AND STANDARDS:
 - THE WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL, MUNICIPAL, AND NATIONAL CODES. WHERE THE DISTRICT DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS, THE CONSTRUCTION DOCUMENTS SHALL GOVERN. HOWEVER, THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.
 - MATERIALS, EQUIPMENT AND INSTALLATION SHALL CONFORM TO LOCAL CODE AND STANDARDS, THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA), UNDERWRITERS' LABORATORIES (UL), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND ALL LAWS AND ORDINANCES OF LOCAL, STATE AND FEDERAL GOVERNING AGENCIES.
- FEES:
 - ALL PERMIT FEES SHALL BE PAID BY THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING REQUIRED INSURANCE, INSPECTIONS, APPLICATIONS, PERMITS, LICENSES, ETC. RELATING TO THE ELECTRICAL WORK.
- CONTRACTOR'S LIABILITY:
 - THE CONTRACTOR SHALL AGREE THAT THE OWNER, THE ARCHITECT AND THE ENGINEER SHALL NOT IN ANY FORM OR MANNER BE ANSWERABLE OR ACCOUNTABLE FOR ANY VIOLATION OF ORDINANCES, CODES OR REGULATIONS OF ANY AUTHORITIES, UTILITIES, INSURANCE COMPANIES AND GOVERNMENT AGENCIES HAVING JURISDICTION, OR FOR ANY ACCIDENTS, INJURY OR LOSS OF DAMAGE TO ANY PERSON OR PERSONS AND THEIR PROPERTIES ARISING FROM NEGLIGENCE OR CARELESSNESS ON THE PART OF THE CONTRACTOR (NOR ANYONE IN HIS EMPLOY), ANY OF HIS SUBCONTRACTORS, OR ANY OTHER PARTIES OR AGENTS TO THIS CONTRACT.
 - THE CONTRACTOR SHALL AGREE TO MAKE GOOD TO SAID OWNER, ARCHITECT, AND ENGINEER ANY LOSS, DAMAGE OR EXPENSE SO INCURRED, TOGETHER WITH REASONABLE ATTORNEY'S FEES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR READING AND COMPLYING WITH BOTH THE DRAWINGS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN THE DRAWINGS, NOTES, SPECIFICATIONS, OR CODES, THE REFERENCE WHICH PROVIDES THE MORE COMPLETE OR HIGHER STANDARD SHALL PREVAIL.
 - THE CONTRACTOR SHALL CHECK ALL DRAWINGS FURNISHED TO THEM IMMEDIATELY UPON THEIR RECEIPT AND SHALL PROMPTLY NOTIFY THE OWNER OF ANY DISCREPANCIES. FIGURES MARKED ON DRAWINGS SHALL FOLLOWED IN PREFERENCE TO SCALE MEASUREMENTS. LARGE SCALE DRAWINGS SHALL IN GENERAL GOVERN SMALL SCALE DRAWINGS. THE CONTRACTOR SHALL COMPARE ALL DRAWINGS AND VERIFY THE FIGURES BEFORE LAYING OUT THE WORK AND WILL BE RESPONSIBLE FOR ANY ERRORS WHICH MIGHT HAVE BEEN AVOIDED THEREBY.
- EXAMINATION OF DRAWINGS AND SITE:
 - THE ELECTRICAL CONTRACTOR SHALL OBTAIN A COMPLETE SET OF ARCHITECTURAL AND ENGINEERING DOCUMENTS AND COORDINATE WITH MECHANICAL, PLUMBING, ARCHITECTURAL, CIVIL AND OTHER TRADES FOR EXACT DIMENSIONS, CLEARANCES, ROUGH-IN LOCATIONS, AND OTHER ADDITIONAL SCOPES OF WORK THAT MAY NOT BE SHOWN ON THE ELECTRICAL PLANS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE POWER TO OTHER TRADES EQUIPMENT AND HARDWARE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, CONTROLS, FIRE, MOTORIZED DOORS, DAMPERS, POLE LIGHTS, AND OTHER SYSTEMS. UNLESS SPECIFICALLY NOTED OTHERWISE ON THE ELECTRICAL PLANS, THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL SAFETY DISCONNECT SWITCHES TO MECHANICAL EQUIPMENT AND TRANSFORMERS UNLESS OTHERWISE INDICATED.
 - BY THE ACT OF HAVING SUBMITTED A BID, THE CONTRACTOR SHALL DEEM TO HAVE MADE SUCH AN EXAMINATION AND SHALL HAVE ACCEPTED THE PREVAILING CONDITIONS. NO SUBSEQUENT ALLOWANCE WILL BE MADE TO CONTRACTOR BECAUSE OF HIS NEGLIGENCE IN COMPLYING WITH THE FOREGOING.
- GUARANTEE:
 - THE CONTRACTOR SHALL FURNISH THE OWNER WITH A WRITTEN GUARANTEE COVERING ALL OF THE EQUIPMENT AND INSTALLATION FURNISHED UNDER THE CONTRACT AGAINST FAILURE FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE ENTIRE PROJECT. THE CONTRACTOR SHALL ASSUME THE LIABILITY OF ALL EQUIPMENT AND INSTALLATION COVERED IN THIS CONTRACT, INCLUDING ALL COSTS OF LABOR, MATERIALS AND EQUIPMENT RENTALS REQUIRED.
 - ANY ADDITIONAL COSTS INCURRED IN THE REPAIR AND RECONSTRUCTION OF ALL OTHER INSTALLATIONS NOT PART OF THIS CONTRACT BUT WHICH MIGHT BE DAMAGED BY THE EQUIPMENT GUARANTEED OR AFFECTED BY THE REPAIR WORK COVERED UNDER THE GUARANTEE, SHALL BE PART OF THIS GUARANTEE.
- INTERPRETATION OF THE DOCUMENTS:
 - CAREFULLY COMPARE THE DRAWINGS AND SPECIFICATIONS, CHECKING MEASUREMENTS AND CONDITIONS UNDER WHICH THIS INSTALLATION IS TO BE MADE. FOR CLARIFICATION BETWEEN VARIOUS DRAWINGS, BETWEEN DRAWINGS OR SPECIFICATION, OR BETWEEN SECTIONS OF THE SPECIFICATION, THE MATTER SHALL BE REFERRED TO THE ENGINEER BEFORE ANY WORK IS EXECUTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ANY EXCEPTIONS NECESSARY TO MAKE THIS A COMPLETE, READY TO USE INSTALLATION. IF NOT STATED IN THE PROPOSAL, IT WILL NOT BE CONSIDERED EXTRA.
 - OMISSIONS FROM THE DRAWINGS, SPECIFICATION NOTES, OR DETAILS OF WORK WHICH ARE NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED DETAILS OF THE WORK BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.
- ELECTRICAL DRAWINGS:
 - THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL DOORS, WALLS, FURNITURE, EQUIPMENT, ETC. THE LOCATION OF RACEWAY SYSTEM COMPONENTS IS SCHEMATIC. THE EXACT LOCATION OF RACEWAY SYSTEM COMPONENTS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD. THE CONTRACTOR SHALL CONFIRM THE DIMENSIONS OF THE ACTUAL EQUIPMENT TO BE SUPPLIED FOR THIS PROJECT, AND VERIFY CLEARANCES AND ROUGH-INS PRIOR TO STARTING WORK.
- SHOP DRAWINGS AND SUBMITTALS:
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHOP DRAWING SUBMITTALS WHICH SHALL INCLUDE, BUT NOT BE LIMITED TO: PRODUCT DATA AND EQUIPMENT SPECIFICATIONS SHEETS, SCHEMATIC DIAGRAMS, WIRING DIAGRAMS, SIZES, MOUNTING DETAILS (WITH REQUIRED ELEVATIONS), TECHNICAL DESCRIPTIONS OF COMPONENTS, TEST REPORTS, CERTIFICATES, OPERATING AND MAINTENANCE MANUALS, AND PROPER CALCULATIONS TO ENSURE SPECIFIED PERFORMANCE OF THE SYSTEMS. NO EQUIPMENT SHALL BE ORDERED, PURCHASED, OR INSTALLED PRIOR TO APPROVAL OF THE SUBMITTALS AND SHOP DRAWINGS.
 - SUBMIT COMPLETE SHOP DRAWINGS FOR MANUFACTURED EQUIPMENT: CLEARLY MARK SUBMISSIONS FOR LIGHTING FIXTURES WITH THE TYPE ASSIGNED TO EACH FIXTURE IN THE FIXTURES SCHEDULE. INCLUDE SELECTION OF INTENDED PART. INCLUDE LAMPS AND BALLASTS.
 - PROVIDE SUFFICIENT INFORMATION AND DATA REQUIRED TO REASONABLY DETERMINE PROPER COMPLIANCE WITH THE SPECIFICATIONS.
 - IN ADDITION, THE CONTRACTOR SHALL SUBMIT A COMPLETE LIST OF MATERIALS PROPOSED, GIVING THE MANUFACTURER'S NAME, CATALOG NUMBER, OR OTHER MEANS OF IDENTIFICATION TO SHOW COMPLIANCE WITH THESE SPECIFICATIONS.
 - REVIEW OF SHOP DRAWINGS IS RENDERED AS A SERVICE ONLY, AND SHALL NOT BE CONSIDERED A GUARANTEE OF MEASUREMENTS OR BUILDING CONDITIONS. NOR SHALL IT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF BASIC RESPONSIBILITY UNDER THE CONTRACT. SHOP DRAWINGS SHALL BE SUBMITTED ON, BUT NOT BE LIMITED TO THE FOLLOWING SYSTEMS: LIGHT FIXTURES AND ALL ASSOCIATED LIGHT FIXTURES HARDWARE INCLUDING LAMPS, WIRING DEVICES, COVER PLATES, ELECTRICAL GEAR, PANELS, BREAKERS, DISCONNECTS, BUSS DATA/VOICE AND CABLING (WHEN INCLUDED IN THE PROJECT), CABLE (WHEN INDICATED), FIRE ALARM DEVICES, AUTOMATIC TRANSFER SWITCHES, GENERATOR, ETC.

B. MATERIAL AND EQUIPMENT:

- GENERAL:
 - PROPOSALS SHALL BE BASED UPON THE FURNISHING OF ALL MATERIALS AND EQUIPMENT AS SPECIFIED, WHICH IN EVERY CASE SHALL BE NEW AND OF THE BEST GRADE AND QUALITY AVAILABLE. EQUIPMENT AND MATERIALS SHALL BE WITHOUT BLEMISH OR DEFECT AND SHALL NOT BE USED FOR TEMPORARY, POWER PURPOSES, WITHOUT THE ENGINEER'S PRIOR WRITTEN AUTHORIZATION.
 - ALL ITEMS OF EQUIPMENT OF ONE TYPE, EXCEPT CONDUIT, CONDUIT FITTINGS, OUTLET BOXES, WIRE, AND CABLE SHALL BE THE PRODUCT OF ONE MANUFACTURER THROUGHOUT UNLESS OTHERWISE INDICATED OR ACCEPTED BY THE ENGINEER.
- RACEWAYS:
 - THE CONTRACTOR SHALL PROVIDE ALL CONDUITS SERVING ALL EQUIPMENT, INCLUDING BUT NOT LIMITED TO LIGHTING, RECEPTACLES, HEATING, AIR CONDITIONING, PLUMBING EQUIPMENT, VOICE/DATA/CATV/AV OUTLETS AND ELECTRICAL EQUIPMENT IN GENERAL.
 - ALL PANEL AND SERVICE FEEDERS SHALL BE IN RIGID GALVANIZED STEEL CONDUIT (RSC) UNLESS OTHERWISE INDICATED. ALL CONDUIT SHALL BE UL LABELED, EMT SHALL BE ACCEPTABLE FOR BRANCH CIRCUITS RUN ABOVE SUSPENDED CEILING OR CONCEALED IN INTERIOR PARTITIONS. EMT CONNECTORS SHALL BE COMPRESSAL WALL TYPE UNLESS OTHERWISE INDICATED. ALL WALL PLATES LINE UP AND FLUSH WITH MOUNTING SURFACE AND SECURELY ATTACHED IN PLACE.
 - MINIMUM SIZES OF CONDUIT SHALL BE 3/4" FOR INDIVIDUAL LIGHTING FIXTURE CONNECTION OR TO INDIVIDUAL LIGHT SWITCHES AND FOR ALL OTHER LOCATIONS UNLESS OTHERWISE INDICATED. IF HVAC CONTROL WIRING IS REQUIRED TO BE RUN IN CONDUIT, IT SHALL BE MINIMUM OF 1/2" SIZE. UNLESS OTHERWISE NOTED OTHERWISE ON DRAWINGS, ALL IN/JUNIOR FLOOR SLAB CONDUIT SHALL BE A MINIMUM OF 1" SIZE UNLESS OTHERWISE INDICATED IN THE DRAWINGS.
 - SUPPORT ALL CONDUIT, INCLUDING SEISMIC AND SWAY BRACING.
 - GENERALLY, ALL CONDUIT SHALL BE CONCEALED EXCEPT FOR UNFINISHED AREAS, SUCH AS EQUIPMENT ROOMS. EXPOSED CONDUIT SHALL BE ALLOWED ONLY AS NOTED ON PLAN AND AS APPROVED BY THE OWNER'S CONSTRUCTION MANAGER. PAINTING OF CONDUITS WILL BE BY GENERAL CONTRACTOR.
 - FLEXIBLE METAL CONDUIT AND THEIR ASSOCIATED FITTINGS ARE TO BE LISTED FOR GROUNDING. A GREEN GROUNDING CONDUCTOR SHALL BE PROVIDED. ALL CONNECTORS ARE TO BE OF A NEMA APPROVED TYPE.
 - FLEXIBLE CONDUIT SHALL BE ACCEPTABLE FOR THE FOLLOWING APPLICATIONS AND SHALL NOT EXCEED 6 FEET IN LENGTH. INSTALL GREEN GROUNDING CONDUCTOR
 - FINAL CONNECTIONS TO VIBRATING EQUIPMENT SUCH AS MOTORS, TRANSFORMERS, ETC SHALL BE MADE WITH LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC).
 - FINAL INTER-CONNECTIONS BETWEEN LIGHT FIXTURES.
 - FINAL CONNECTIONS WHERE RIGID CONDUIT IS NOT PRACTICAL.
 - PROVIDE POLY PULL-STRING IN ALL EMPTY CONDUITS.
 - HOME RUNS AND MAIN CONDUIT RUNS ARE TO BE HELD TIGHT TO STRUCTURE ABOVE OR TO BE HELD TO ALLOW PROPER CLEARANCE OF CEILING AND OTHER TRADES WORK. RACEWAYS SHALL BE SECURELY SUPPORTED BY APPROVED STRUCTURAL METHODS AT FIVE FOOT (5') INTERVALS.
 - ALL CONDUITS SHALL BE RUN PARALLEL OR PERPENDICULAR TO COLUMN LINES.
 - ALL CONDUITS MUST BE SIZED PER CODE.
 - WHERE RACEWAY IS SUBJECT TO MECHANICAL INJURY OR CORROSION UTILIZE RSC OR INTERMEDIATE METAL CONDUIT (IMC), FITTINGS SHALL BE THREADED.
 - PROVIDE PULL BOXES IN RUNS OVER 100 FEET, WHEN MORE THAN THE EQUIVALENT OF THREE (3) 90° BENDS ARE USED, AND AS SHOWN ON DRAWINGS.
- ELECTRICAL BOXES:
 - UNLESS OTHERWISE NOTED, OUTLET BOXES SHALL BE GALVANIZED PRESSED STEEL, KNOCKOUT TYPE, WITH SUTILET PLASTER RINGS AND COVER PLATES.
 - UNUSED KNOCKOUT HOLES SHALL REMAIN CLOSED AND THOSE OPENED BY ERROR SHALL BE CLOSED WITH SNAP-IN BLANKS.
 - OUTLET BOXES SHALL NOT BE SMALLER THAN REQUIRED BY CODE FOR THE NUMBER AND SIZE OF WIRES TO BE INSTALLED.
 - BOXES IN COVE AND LOCATED ABOVE SUSPENDED CEILING SHALL BE PLENUM RATED WHEN THE SPACE IS PLENUM RATED.
 - FLOOR BOXES: PROVIDE SYSTEMS PER DRAWINGS.
 - PROVIDE JUNCTION BOXES, PULL BOXES, CABLE SUPPORTS, AND WIREWAYS AS REQUIRED FOR PROPER INSTALLATION OF THE ELECTRICAL WORK, WHETHER OR NOT SPECIFICALLY SHOWN ON THE DRAWINGS. COVERS SHALL BE ACCESSIBLE. SMALL JUNCTION BOXES SHALL BE SIMILAR TO OUTLET BOXES.
 - JUNCTION BOXES AND COVERS SHALL BE FABRICATED FROM GALVANIZED NEC GAGE SHEET STEEL. OUTLET BOXES TO BE OF THE HOT-DIPPED GALVANIZED, PRESSED STEEL, KNOCKOUT TYPE. BOXES SHALL GENERALLY BE 4 INCHES SQUARE, 1-1/2" DEEP MINIMUM, EXCEPT WHERE NOTED OTHERWISE.
 - PULL BOXES, CABLE SUPPORT BOXES, AND LARGE JUNCTION BOXES FOR INDOOR USE SHALL BE MADE OF CODE GAUGE STEEL. COVERS SHALL BE HELD IN PLACE WITH STAINLESS STEEL SCREWS. PAINT INTERIOR AND EXTERIOR SURFACES WITH RUST-INHIBITIVE PAINT.
 - BOXES SHALL BE AS MANUFACTURED BY: APPLETON, GARVIN, RACO (HUBBELL) & STEEL CITY.
- SLEEVES:
 - THE CONTRACTOR SHALL PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH IT'S RESPECTIVE FLOOR, WALL OR PARTITION AND SHALL BE CUT FLUSH WITH EACH SURFACE EXCEPT SLEEVES THAT PENETRATE THE FLOOR, WHICH SHALL EXTEND 2" ABOVE THE FLOOR.
 - UNLESS OTHERWISE NOTED, ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE "RTV" FOAM, "SM" FIRE RATED SEALANTS OR EQUAL, SO AS TO RETAIN THE FIRE RATING OF THE FLOOR OR WALL. CONFORM TO UL ASSEMBLY RATING OF FLOOR OR WALL.
 - SLEEVES IN BEARING AND MASONRY WALLS, FLOORS AND PARTITIONS SHALL BE STANDARD WEIGHT BLACK STEEL PIPE FINISHED WITH SMOOTH EDGES. FOR OTHER THAN MASONRY PARTITIONS, THROUGH SUSPENDED CEILING, OR FOR CONCEALED VERTICAL CONDUIT.
 - SLEEVES SHALL HAVE PLASTIC END BUSHES INSTALLED WHEN THEY ARE USE FOR THE INSTALLATION OF OPEN CABLING.
- WIRING:
 - CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER AND THE AWG SIZE AND TYPE AS SHOWN ON DRAWINGS. MINIMUM WIRE SIZE SHALL BE #12 UNLESS OTHERWISE INDICATED IN THE DRAWINGS. THE CONDUCTORS SHALL HAVE 600 VOLT INSULATION, TYPE THHW OR THHN.
 - CONDUCTORS SHALL BE STRANDED FOR SIZES #10AWG AND LARGER.
 - ALUMINUM CONDUCTORS ARE NOT PERMITTED.
 - ALL WIRING SHALL BE IN RACEWAY.
 - WIRE CONNECTORS SHALL BE EQUAL TO "SCOTCH LOCK" FOR #10 AWG WIRE AND SMALLER AND EQUAL TO "A & B LOCKTIGHT" FOR #8 AWG AND LARGER. EQUALS BY BUCHANAN OR IDEAL ARE ACCEPTABLE.
 - ALL WIRING TO BE COLOR-CODED AS FOLLOWS:

120/240 VOLT SYSTEM NEUTRAL - WHITE	277/480 VOLT SYSTEM NEUTRAL - GRAY
PHASE A OR L1 - BLACK	PHASE A OR L1 - ORANGE
PHASE B OR L2 - ORANGE	PHASE B OR L2 - BROWN
PHASE C OR L3 - BLUE	PHASE C OR L3 - YELLOW
GROUND - GREEN	GROUND - GREEN
- WIRING DEVICES:
 - THIS CONTRACTOR SHALL FURNISH AND INSTALL SWITCHES AND RECEPTACLES AS SHOWN ON THE DRAWINGS AND AS NECESSARY FOR A COMPLETE INSTALLATION.

- COLOR OF DEVICES AND PLATES SHALL BE AS DIRECTED BY THE ARCHITECT. THE DEVICES SHALL BE OF THE TYPES AND RATINGS LISTED, OR EQUALS AS MANUFACTURED BY: PASS & SEYMOUR, HUBBELL, LEVITON, LEGRAND, WEATHERPROOF OR RECEPTACLES SHALL BE INSTALLED WHERE SHOWN ON DRAWINGS OR AS REQUIRED BY CODE.
- TOGGLE SWITCHES: 20A-120V COMMERCIAL SPECIFICATION GRADE.
 - DUPLEX RECEPTACLES: 20A-120V COMMERCIAL SPECIFICATION GRADE.
 - GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE: 20A-125v, 5mA, COMMERCIAL SPECIFICATION GRADE.
- WALL SWITCHES SHALL BE MOUNTED IN SUITABLE OUTLET BOXES IN THE WALL OR PARTITIONS. THEY SHALL BE OF THE QUIET DESIGN, TOGGLE HANDLE.
 - RECEPTACLES SHALL BE GROUNDED TYPE, THREE WIRE (HOT, NEUTRAL WIRES PLUS EQUIPMENT GROUND) SINGLE, DUPLEX OR SPECIAL AS INDICATED ON THE DRAWINGS.
 - SPECIAL PURPOSE NEMA RECEPTACLES OTHER THAN 20 AMP CONVENIENCE RECEPTACLES SHALL BE AS SHOWN ON PLANS. FINAL PLUG CONFIGURATION SHALL BE COORDINATED WITH EQUIPMENT SELECTION.
 - COLOR OF WIRING DEVICES AND COVER PLATES SHALL BE SELECTED BY ARCHITECT.
 - WALL PLATES:
 - WALL PLATES SHALL BE AS SPECIFIED BY ARCHITECT AND/OR OWNER. WHERE STANDARD PLATES WILL NOT FIT WALL FINISH, UNPLASTERED BRICK OR SPECIAL FINISH WALLS, USE SPECIAL SIZE PLATES TO SUIT CONDITIONS. ALL WALL PLATES LINE UP AND FLUSH WITH MOUNTING SURFACE AND SECURELY ATTACHED IN PLACE.
 - WHERE SWITCHES, RECEPTACLES OR COMBINATIONS THEREOF ARE GROUNDED, USE GANG PLATES AND OUTLET BOXES TO SUIT THE SPECIFIC ARRANGEMENTS.
 - VERIFY MOUNTING HEIGHTS OF WIRING DEVICES WITH ARCHITECT/OWNER. IN GENERAL, RECEPTACLES 15" ABOVE FLOOR OR 4.5" ABOVE COUNTER TOP WHERE COUNTERS OCCUR, AND SWITCHES 3'-6" ABOVE FLOOR, EXCEPT WHERE SPECIFIC HEIGHTS ARE INDICATED. SPECIAL RECEPTACLES SHALL BE LOCATED AS DIRECTED BY ARCHITECT AND ENGINEER OR AS REQUIRED BY THE EQUIPMENT SERVING.
 - WALL PLATES SHALL BE OF THE SAME MANUFACTURER AS WIRING DEVICES.
 - POKE THRU (WHEN INDICATED ON DRAWINGS):
 - PROVIDE SYSTEM, FIRE RATED POKE THROUGH PER DRAWINGS.
 - FURNISH AND INSTALL ALL REQUIRED HARDWARE FOR A COMPLETE INSTALLATION SYSTEM.
 - ACCEPTED MANUFACTURERS: HUBBELL, WIREMOLD, OR APPROVED EQUAL.
 - LIGHT FIXTURES:
 - FIXTURES SHALL BE PROVIDED COMPLETE WITH ACCESSORIES SUCH AS PLASTER FRAMES, AND OTHER SUPPORTING DEVICES FOR CEESSES, SURFACE, OR PENDANT MOUNT AS REQUIRED.
 - SPLICES IN INTERNAL WIRING SHALL BE MADE WITH APPROVED INSULATED "WIRE NUT" TYPES WHICH SHALL BE PROVIDED TO MATCH THE TEMPERATURE AND VOLTAGE CONDITIONS TO WHICH THEY ARE SUBJECTED.
 - EACH LIGHTING FIXTURE SHALL BE INDEPENDENTLY SUPPORTED FROM THE BUILDING STRUCTURE BY MEANS OF (2) 12 GAGE STEEL WIRE. SEE DETAIL IN FRONT SHEET.
 - MANUFACTURER MODEL TYPES SHALL BE AS NOTED OR SCHEDULED ON THE DRAWINGS UNLESS OTHERWISE INDICATED.
 - PROVIDE LAMPS FOR FIXTURES FROM: PHILLIPS, GENERAL ELECTRIC.
 - LED DRIVERS SHALL BE ELECTRONIC WITH A POWER FACTOR OF NOT LESS THAN 98 PERCENT, TOTAL HARMONIC DISTORTION OF NOT MORE THAN 10%, ACCEPTABLE MANUFACTURERS, AS PART OF THE LIGHT FIXTURE SYSTEM.
 - THIS CONTRACTOR SHALL FURNISH ADDITIONAL AUXILIARY SUPPORTING STEEL HANGER WIRES ADEQUATELY SIZED TO SUPPORT THE WEIGHT OF THE FIXTURE AND FASTENED TO BUILDING STRUCTURE (MINIMUM TWO PER FIXTURE) FOR FIXTURES NOT MOUNTED ON BUILDING FRAMEWORK. FIXTURES SHALL NOT BE SUPPORTED SOLELY BY THE CEILING STRUCTURE.
 - THIS CONTRACTOR SHALL PROVIDE ANY NECESSARY FITTINGS, ACCESSORIES, ETC. AS NECESSARY TO MAKE A COMPLETE INSTALLATION.
 - REMOVE ALL DIRT, OIL OR GREASE FROM LIGHT FIXTURES. CLEAN ALL GLASS, LENSES, ETC. AND POLISH FIXTURES AND TRIM.
 - OCCUPANCY SENSORS (REFER TO DRAWING FOR INFORMATION).
 - PANELS (UTILIZE EXISTING PANELS WITH NEW BREAKERS WHEN INDICATED):
 - PANEL BOARDS SHALL BE OF THE DEAD-FRONT, SAFETY TYPE, WITH BOLTED-TYPE UL LISTED MOLDED CASE CIRCUIT BREAKERS. CIRCUIT BREAKERS SHALL BE LISTED AS HID FOR LIGHTING CIRCUITS, HACR FOR HVAC LOADS, SWD FOR SWITCHING LOADS ON-OFF DIRECTLY FROM THE PANEL. VOLTAGE RATINGS, NUMBER OF POLES, FRAME SIZES, TRIP RATINGS, MAIN BREAKER, NEUTRAL BUS, AND EQUIPMENT GROUND BARS ARE AS SHOWN ON THE DRAWINGS. PANEL BOARDS ARE TO BE FULLY RATED FOR THE SHORT CIRCUIT RATING SHOWN ON THE DRAWINGS BUT NOT LESS THAN 10,000 AMPS. BUS BARS SHALL BE RECTANGULAR, SOLID COPPER, 1000 AMPS PER SQUARE INCH TYPE, SECURELY MOUNTED AND BRACED. ALL CONNECTIONS TO BUS BARS SHALL BE SECURELY BOLTED. CABINET BOXES SHALL BE CONSTRUCTED OF CODE GAUGE GALVANIZED STEEL, SIZED TO PROVIDE MINIMUM 4-INCH WIDE WIRING GUTTERS ON SIDES, TOPS AND BOTTOM. FRONTS SHALL BE CONSTRUCTED OF CODE GAUGE STEEL, ADJUSTABLE INDICATING TRIM CLAMPS AND WITH DOOR PROVIDED WITH CONCEALED HINGES AND CYLINDER TYPE LOCK AND LATCH. PROVIDE DOOR WITH DOOR, TWO KEYS PER PANEL. SHALL BE FINISHED AND ALL LOCKS KEYS ALIKE. FINISH SHALL BE ANSI 61 GRAY, ACCEPTABLE MANUFACTURERS: SQUARE D, CUTLER-HAMMER, PHILLIPS, GENERAL ELECTRIC.
 - IDENTIFICATION OF PANEL BOARDS. PANEL BOARD SHALL HAVE A TYPED/PRINTED CIRCUIT DIRECTORY, MOUNTED UNDER TRANSPARENT PLASTIC ON THE INSIDE OF DOOR TO IDENTIFY EACH CIRCUIT LOAD AND LOCATION. EACH PANEL BOARD SHALL HAVE A LAMINATED BAKELITE NAMEPLATE ATTACHED TO THE OUTSIDE OF THE PANEL BOARD. THE NAMEPLATE SHALL INCLUDE PANEL BOARD DESIGNATION, VOLTAGE, AND PHASE. NAMEPLATES SHALL HAVE BLACK 1/2" INCH LETTERS MINIMUM ON A WHITE BACKGROUND. ATTACH THE NAMEPLATE BY SCREWS OR RIVETS.
 - DISCONNECT SWITCHES (HEAVY DUTY, REFER TO DRAWINGS FOR INFORMATION)
 - PROVIDE HEAVY DUTY SURFACE-MOUNTED SAFETY SWITCHES FOR MOTORS, TRANSFORMER, EQUIPMENT, ETC. UNLESS OTHERWISE INDICATED. OF TYPES, SIZES, AND ELECTRICAL CHARACTERISTICS AS INDICATED ON THE DRAWINGS. THE SWITCHES SHALL BE FUSED OR NON-FUSED AS INDICATED ON THE DRAWINGS AND SHALL BE MANUFACTURED BY SQUARE D, CUTLER HAMMER, EATON, PHILLIPS OR GENERAL ELECTRIC.
 - SWITCHES SHALL HAVE SWITCH BLADES WHICH SHALL BE FULLY VISIBLE IN THE OFF POSITION WHEN THE ENCLOSURE DOOR IS OPEN. CURRENT CARRYING PARTS SHALL BE PLATED COPPER AND SWITCH CONTACTS SHALL BE SILVER-TUNGSTEN. SWITCHES SHALL BE QUICK-MADE, QUICK-BREAK TYPE. THE OPERATING HANDLE SHALL BE AN INTEGRAL PART OF THE ENCLOSURE BASE AND SHALL BE PAD LOCKABLE IN THE OFF POSITION. THE HANDLE POSITION SHALL INDICATE WHETHER THE SWITCH IS ON OR OFF. SWITCHES SHALL BE HORSE POWER RATED FOR 250 AC OR DC OR 600 VOLTS AC AS REQUIRED.
 - FIRE ALARM SYSTEM (REFER TO FIRE ALARM SHEET FOR ADDITIONAL INFORMATION):
 - PROVIDE TYPED DIRECTORIES IN PANEL BOARDS TO DEPICT ACTUAL EQUIPMENT CONNECTED TO INDIVIDUAL BREAKERS/SWITCHES.
 - LABEL EACH PIECE OF EQUIPMENT WITH EQUIPMENT NAME DESIGNATION, SOURCE, VOLTAGE, PHASES.
 - PROVIDE ORANGE LABELS WITH BLACK LETTER/NUMBERS INDICATING VOLTAGE SERVICE 120/208V--PH--L-W ; 480/277V--PH--L-W.
 - FURNISH AND INSTALL OUTSIDE OF EQUIPMENT: DESIGNATION, SHALL HAVE BLACK 1/2 INCH LETTERS MINIMUM ON A WHITE BACKGROUND. ATTACH THE NAMEPLATE BY SCREWS OR RIVETS.
 - IDENTIFICATION:
 - PROVIDE TYPED DIRECTORIES IN PANEL BOARDS TO DEPICT ACTUAL EQUIPMENT CONNECTED TO INDIVIDUAL BREAKERS/SWITCHES.
 - LABEL EACH PIECE OF EQUIPMENT WITH EQUIPMENT NAME DESIGNATION, SOURCE, VOLTAGE, PHASES.
 - PROVIDE ORANGE LABELS WITH BLACK LETTER/NUMBERS INDICATING VOLTAGE SERVICE 120/208V--PH--L-W ; 480/277V--PH--L-W.
 - FURNISH AND INSTALL OUTSIDE OF EQUIPMENT: DESIGNATION, SHALL HAVE BLACK 1/2 INCH LETTERS MINIMUM ON A WHITE BACKGROUND. ATTACH THE NAMEPLATE BY SCREWS OR RIVETS.
 - MISCELLANEOUS SUPPORTING MEMBERS
 - THE INSTALLATION OF ANGLES CHANNELS, AND OTHER MISCELLANEOUS STEEL, BOLTS, RODS, ETC. REQUIRED TO SUPPORT LIGHT FIXTURE, CONDUIT, RACEWAY, LADDER TRAY, OR OTHER ELECTRICAL EQUIPMENT OR DEVICES SHALL BE COORDINATED WITH THE G.C.
 - SPECIAL SYSTEMS:
 - VOICE/DATA/CABLE TV SYSTEMS: UNDER THIS SET OF ELECTRICAL DRAWINGS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL INSTALLATION DRAWINGS AND WIRING DIAGRAMS FROM THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
 - CONTRACTOR SHALL MAKE FINAL CONNECTIONS AND TERMINATIONS TO THE OWNER, MECHANICAL, AND PLUMBING CONTRACTOR'S FURNISHED EQUIPMENT.

C. INSTALLATION (VERIFY WITH G.C./MEANS AND METHODS SHOULD BE APPROVED BY GC AND ARCHITECT):

- CUTTING AND PATCHING:
 - ALL CUTTING, DRILLING, PATCHING, ETC. NECESSARY FOR INSTALLATION OF EQUIPMENT UNDER THIS CONTRACT SHALL BE DONE BY THIS CONTRACTOR.
 - ALL DISTURBED CONSTRUCTION AND FINISHED SHALL BE RETURNED TO ITS ORIGINAL STATE. HOLES IN CONCRETE WALLS AND FLOORS SHALL BE CORE DRILLED AND SLEEVED. NO CUTTING OF STRUCTURAL MEMBERS WILL BE ALLOWED.
- INSTALLATION OF WORK:
 - THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO ENSURE THE SAFETY OF THE OWNERS EMPLOYEES, BUILDING EMPLOYEES AND GUESTS, AS WELL AS THEIR OWN FORCES, BY ADEQUATELY PROTECTING ANY EXPOSED LIVE CONDUCTORS, OR DEVICES THROUGHOUT THE COURSE OF THIS WORK.
 - WIRE SHALL BE INSTALLED CONTINUOUS BETWEEN DEVICES, WITH SPLICES LOCATED ONLY IN JUNCTION BOXES, PULL BOXES, OUTLET BOXES OR IN CABINETS. CONDUCTORS SHALL BE OF SUFFICIENT LENGTH TO REACH THE FARTHEST TERMINAL IN PANELS. A MINIMUM OF 6" LOOPS SHALL REMAIN WHERE CONNECTIONS OR TAPS ARE TO BE MADE IN BRANCH CIRCUIT WIRING.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR EXACT LOCATION OF ALL EQUIPMENT AND OUTLETS. CONTRACTOR DOES NOT COME TO CORRECT LOCATION, HE SHALL MOVE SAME, DO NECESSARY CUTTING AND PATCHING.
 - OWNER RESERVES THE RIGHT TO CHANGE LOCATION OF OUTLETS WITHIN 10'-0" RADIUS BEFORE WORK IS INSTALLED WITHOUT EXTRA COST.
 - CHECK WITH HVAC CONTRACTOR AS TO LOCATION OF UNITS, DUCTS AND GRILLES AND PLUMBING CONTRACTOR AS TO LOCATION OF PIPING BEFORE INSTALLING THE WORK.
 - CONTRACTOR SHALL CONSULT WITH THE ARCHITECT AND REVIEW THE PLANS TO VERIFY THE EXACT LOCATIONS OF ALL OUTLETS ARE ABOVE COUNTERS WHERE CABINET WORK OCCURS, AND VERIFY THAT SWITCHES ARE AT THE CORRECT SIDE OF DOOR SWINGS.
 - THE CONTRACTOR SHALL CONSULT WITH THE EQUIPMENT SUPPLIERS FOR THE CORRECT SIZES OF ALL OUTLETS IN SUFFICIENT TIME BEFORE WALL CONSTRUCTION.
 - FAILURE OF THE CONTRACTOR TO COMPLY WITH ALL OF THE ABOVE SHALL MAKE HIM/HER RESPONSIBLE FOR ANY RELOCATIONS AT HIS EXPENSE DUE TO CONFLICT WITH OTHER EQUIPMENT.
- GROUNDING:
 - CONTRACTOR SHALL INSTALL ENTIRE CONDUIT SYSTEM, INCLUDING BOXES, CABINETS, PANELS, ETC. SO AS TO INSURE PROPER GROUND CONTINUITY THROUGHOUT THE SYSTEM WHICH INCLUDES BUT IS NOT LIMITED TO: PROVIDE COMPLETE WIRE GROUNDING CONDUCTOR SYSTEM, #12 AWG MINIMUM, SIZED AND INSTALLED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE CODE.
 - ALL DEVICES SHALL BE BONDED TO THE CONDUIT SYSTEM. USE A BONDING JUMPER BETWEEN THE OUTLET BOX AND THE DEVICE GROUNDING TERMINAL. METAL-TO-METAL JUST CONTACT BETWEEN THE DEVICES YOKE AND THE OUTLET BOX IS NOT SUFFICIENT AND IS NOT ACCEPTABLE AS A BOND FOR EITHER SURFACE MOUNTED BOXES OR FLUSH TYPE BOXES. JUNCTION BOXES, OUTLET BOXES AND PULL BOXES SHALL BE BONDED TO THE CONDUIT SYSTEM. ALL CONDUIT, INCLUDING FLEXIBLE CONDUIT, SHALL BE GROUNDED WITH GREEN GROUNDING CONDUCTOR.
 - ALL ENCLOSURES AND NON-CURRENT CARRYING METAL PARTS ARE TO BE GROUNDED. CONDUIT SYSTEM IS TO BE ELECTRICALLY CONTINUOUS. ALL LOCK NUTS MUST CUT THROUGH ENAMELED OR PAINTED SURFACES ON ENCLOSURES. WHERE ENCLOSURES AND NON-CURRENT CARRYING METAL PARTS ARE ISOLATED FROM THE CONDUIT SYSTEM, USE BONDING JUMPERS WITH APPROVED CLAMPS. ALL GROUND CLAMPS SHALL BE "PEN-UNION" OR EQUAL, SIMILAR TO "GFL" TYPE.
 - THE COMPLETE ELECTRICAL INSTALLATION SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODE. EQUIPMENT GROUNDING SYSTEM CABLE SHALL BE COPPER.
 - EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN ALL RACEWAYS AND ENCLOSURES WITHIN THE BUILDING.
 - ACCESSIBLE GROUNDING CONNECTIONS SHALL BE BOLTED OR CLAMP TYPE UNLESS OTHERWISE INDICATED. SOLDERED CONNECTIONS WILL NOT BE PERMITTED IN THE GROUNDING SYSTEM.
- FIRE STOPPING (MEANS AND METHODS- SHOULD BE APPROVED BY G.C. AND ARCHITECT)
 - ALL PENETRATIONS IN WALL, FLOOR OR CEILINGS SHALL BE SUITABLY CLOSED UP AND SEALED WITH A FIRE STOPPING COMPOUND LISTED IN THE MOST RECENT FACTORY RESEARCH. FIRE STOPPING PRODUCTS SHALL BE MANUFACTURED BY 3M CO.
- ELECTRICAL CONNECTIONS
 - ALL WIRE CONNECTIONS SHALL BE MADE BY MEANS OF SOLDERLESS CONNECTORS.
 - JOINT AND SPLICES SHALL BE COVERED WITH 3M ELECTRICAL TAPE TO 150% OF INSULATION VALUE.
 - NO SPLICES SHALL BE MADE IN THE CONDUCTOR EXCEPT AT OUTLET BOXES, JUNCTION BOXES, OR IN SPLICE BOXES.
- EQUIPMENT CONNECTIONS
 - PROVIDE FINAL CONNECTIONS FOR ALL EQUIPMENT FURNISHED UNDER OTHER DIVISIONS AND FOR ALL OWNER FURNISHED EQUIPMENT. PROVIDE A FLEXIBLE LIQUID TIGHT CONNECTIO TO ALL VIBRATION PRODUCING EQUIPMENT.
 - THE CONTRACTOR SHALL MAKE POWER CONNECTIONS TO ALL MOTORS AND EQUIPMENT FURNISHED BY OTHERS. SEE ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS, AND DRAWING NOTES FOR ADDITIONAL INFORMATION.
 - ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED.
 - ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE UNDERWRITERS' LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
 - ALL DEVICES INSTALLED OUTSIDE OR IN DAMP LOCATIONS SHALL BE APPROVED WEATHERPROOF RATED.
 - THE CONTRACTOR SHALL INSTALL ALL CONDUITS AND WIRES WITH A MINIMUM NUMBER OF BENDS AND IN SUCH A MANNER AS TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEAD ROOM, KEEP OPENINGS AND PASSAGeways CLEAR AND MEET ALL STRUCTURAL CODE REQUIREMENTS.
 - BRANCH CIRCUITS TO RECEPTACLES, LIGHTING AND MISC. SMALL LOADS (20 AMP CIRCUITS), UNLESS SPECIFICALLY NOTED OTHERWISE, SHALL BE 2-#12, 1-#12G, 3/4" C.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT, WIRE AND CABLE FURNISHED TO HIM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL INSTALLATION DRAWINGS AND WIRING DIAGRAMS FROM THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- CONTRACTOR SHALL MAKE FINAL CONNECTIONS AND TERMINATIONS TO THE OWNER, MECHANICAL, AND PLUMBING CONTRACTOR'S FURNISHED EQUIPMENT.
- MISCELLANEOUS SUPPORTING MEMBERS
 - THE INSTALLATION OF ANGLES CHANNELS, AND OTHER MISCELLANEOUS STEEL, BOLTS, RODS, ETC. REQUIRED TO SUPPORT LIGHT FIXTURE, CONDUIT, RACEWAY, LADDER TRAY, OR OTHER ELECTRICAL EQUIPMENT OR DEVICES SHALL BE COORDINATED WITH THE G.C.
- SPECIAL SYSTEMS:
 - VOICE/DATA/CABLE TV SYSTEMS: UNDER THIS SET OF ELECTRICAL DRAWINGS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL INSTALLATION DRAWINGS AND WIRING DIAGRAMS FROM THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
 - CONTRACTOR SHALL MAKE FINAL CONNECTIONS AND TERMINATIONS TO THE OWNER, MECHANICAL, AND PLUMBING CONTRACTOR'S FURNISHED EQUIPMENT.

- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE G.C. TO PROVIDE LOW VOLTAGE CABLING, APPROPRIATE TAGS BACK TO MAIN DEMARC AREA.
- GENERAL INSTALLATION NOTES
 - THE CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANY WAY CUT INTO ANY STRUCTURAL MEMBERS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
 - THE CONTRACTOR SHALL PROVIDE SUPPORT FOR ALL FIXTURES AND ELECTRICAL EQUIPMENT TO COMPLY WITH THE SEISMIC REQUIREMENTS OF THE BUILDING CODE AND ALL LOCAL ORDINANCES.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUITS, WIRES, BOXES, SWITCHES, LIGHT FIXTURES (WITH LAMPS), RECEPTACLES, SERVICE DEVICES, SWITCHBOARDS AND PANELBOARDS (WHEN INDICATED AS NEW) REQUIRED FOR A COMPLETE INSTALLATION AND OPERATIONAL ELECTRICAL SYSTEM.
 - PROVIDE A EXTERNAL MANUAL DISCONNECTING MEANS AT ALL MOTORS OR PACKAGED MECHANICAL EQUIPMENT UNLESS NOTED OTHERWISE. SOME UNITS ARE PROVIDED BY MECHANICAL CONTRACTOR A PART OF A MECHANICAL PACKAGE.
 - PROVIDE AN ENCLOSURE OF EQUAL FIRE RESISTANT RATING AROUND ALL FIXTURES AND EQUIPMENT INSTALLED IN OR PENETRATING THROUGH FIRE RATED SEPARATIONS. THROUGH STOP FIRE SEALING OF CONDUITS SHALL BE MADE WITH 3M CP25W4+ CAULK ACCORDING TO UL APPLICATION.
 - LOCATIONS SHOWN ON THE ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS TAKE PRECEDENCE OVER THOSE SHOWN ON THE ELECTRICAL DRAWINGS. REFER TO THE MECHANICAL AND PLUMBING DRAWINGS FOR THE EXACT LOCATIONS, RATINGS, TYPE CONNECTIONS, WIRING DIAGRAMS AND AUXILIARY DEVICES.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, WIRE AND CONNECTIONS FOR LOW VOLTAGE LIGHTING CONTROLS AND LOW VOLTAGE LIGHTING CONTROLS UNLESS NOTED OTHERWISE ON DRAWINGS. THE CONTRACTOR SHALL MAKE ALL POWER CONNECTIONS TO HVAC EQUIPMENT INCLUDING 120 VOLT POWER CONTROL, MONITORING, AND SIGNALING EQUIPMENT FURNISHED BY OTHER DISCIPLINES. COORDINATE WITH OTHER DISCIPLINES FOR REQUIREMENTS.
 - THE CONTRACTOR SHALL RECEIVE, STORE AND INSTALL ALL ELECTRICAL ITEMS FURNISHED BY THE OWNER.
 - REFER TO THE REFLECTED CEILING PLAN AND THE ARCHITECTURAL FLOOR PLANS FOR THE EXACT LOCATIONS OF ALL LIGHTING FIXTURES AND DEVICES.
 - RECEPTACLES SHALL HAVE PRINTED LABELS WITH THE PANEL AND CIRCUIT NUMBER PLACED ON THE COVER. THE LABEL SHALL BE RED WITH BLACK LETTERS FOR EMERGENCY RECEPTACLES, AND WHITE WITH BLACK LETTERS FOR NORMAL RECEPTACLES.
 - THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT DRAWINGS SHOWING THE LOCATIONS OF ALL UNDERGROUND CONDUITS, INDICATE ALL CHANGES MADE DURING CONSTRUCTION, AND ANY DEVIATIONS FROM THE ELECTRICAL DRAWINGS.
 - PROVIDE PULL WIRE IN ALL EMPTY CONDUITS.
 - FOR PURPOSES OF CLEARNESS AND LEGIBILITY, THE ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND INFORMATION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE ELECTRICAL WORK INTERFACES WITH OTHER TRADES.
 - THIS CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF/HERSELF WITH CONSTRUCTION CONDITIONS. NO ALLOWANCE WILL BE MADE FOR ANY VIOLATION OF HIS CONDITION, IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
 - ALL CONDUIT SHALL BE CONCEALED WHEREVER POSSIBLE. THE CONTRACTOR SHALL REVIEW THE PLANS AND SPECIFICATIONS TO DETERMINE WHERE NEW WALLS AND CEILINGS ARE TO BE INSTALLED AND SHALL MAKE USE OF THESE AREAS TO CONCEAL CONDUIT. THE CONTRACTOR SHALL USE SURFACE RACEWAYS SUCH AS WIREMOLD WHERE NECESSARY (ONLY WHERE INDICATED OR AS DIRECTED).
 - TEMPORARY LIGHTING, POWER, FIRE, AND SAFETY
 - E.C. TO PROVIDE TEMPORARY LIGHTING AND POWER AS REQUIRED IN AREAS UNDERGOING WORK DURING CONSTRUCTION.
 - E.C. SHALL COMPLY WITH NFPA 241 FOR SAFEGUARDING DURING CONSTRUCTION AND ALTERATION OPERATIONS.
 - BALANCING OF LOADS
 - UPON CONNECTING ALL CIRCUITS TO PANELS, THE CONTRACTOR SHALL BALANCE THE LOAD IN AMPERES TO +/- 20% BETWEEN PHASES FOR EACH PANEL OR PER OWNERS SATISFACTION.
 - TESTING AND INSPECTION:
 - THE ELECTRICAL CONTRACTOR SHALL THOROUGHLY TEST THE ENTIRE ELECTRICAL SYSTEM FOR GROUNDING, SHORTS AND PROPER GROUNDING RESISTANCE. A MAXIMUM OF 25 OHMS RESISTANCE FROM NEUTRAL CONDUCTOR AND CONDUIT TO EARTH GROUND SHALL BE PERMITTED. ONLY A GROUND RESISTANCE MEASURING METER OF APPROVED TYPE SHALL BE USED. A COMMON OHM METER IS NOT ACCEPTABLE.
 - THE ELECTRICAL CONTRACTOR SHALL SEE THAT LOCAL INSPECTION AUTHORITIES ARE NOTIFIED WHEN INSPECTIONS ARE REQUIRED BY CODE AND SHALL GIVE ALL NECESSARY ASSISTANCE TO THE INSPECTOR WHEN HE IS MAKING AN INSPECTION.
 - THE ELECTRICAL CONTRACTOR WILL SATISFY ALL REGULATIONS HAVING JURISDICTION ON THIS PROJECT.
 - THE ENTIRE WIRING SYSTEM SHALL BE TESTED FOR SHORT CIRCUITS, GROUNDS AND INSULATION RESISTANCE BETWEEN CONDUCTORS AND TO GROUND.

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DATE: 06.25.24 EXP: 11.30.25

ELECTRICAL SPECIFICATION SHEET
 MENTAL HEALTH AND AWARENESS CENTER
 JOLIET JUNIOR COLLEGE
 BUILDING J - GROUND FLOOR
 1215 HOUBOLT ROAD
 JOLIET, ILLINOIS

DATE: 06-25-2024
 REVISED: 06-25-2024

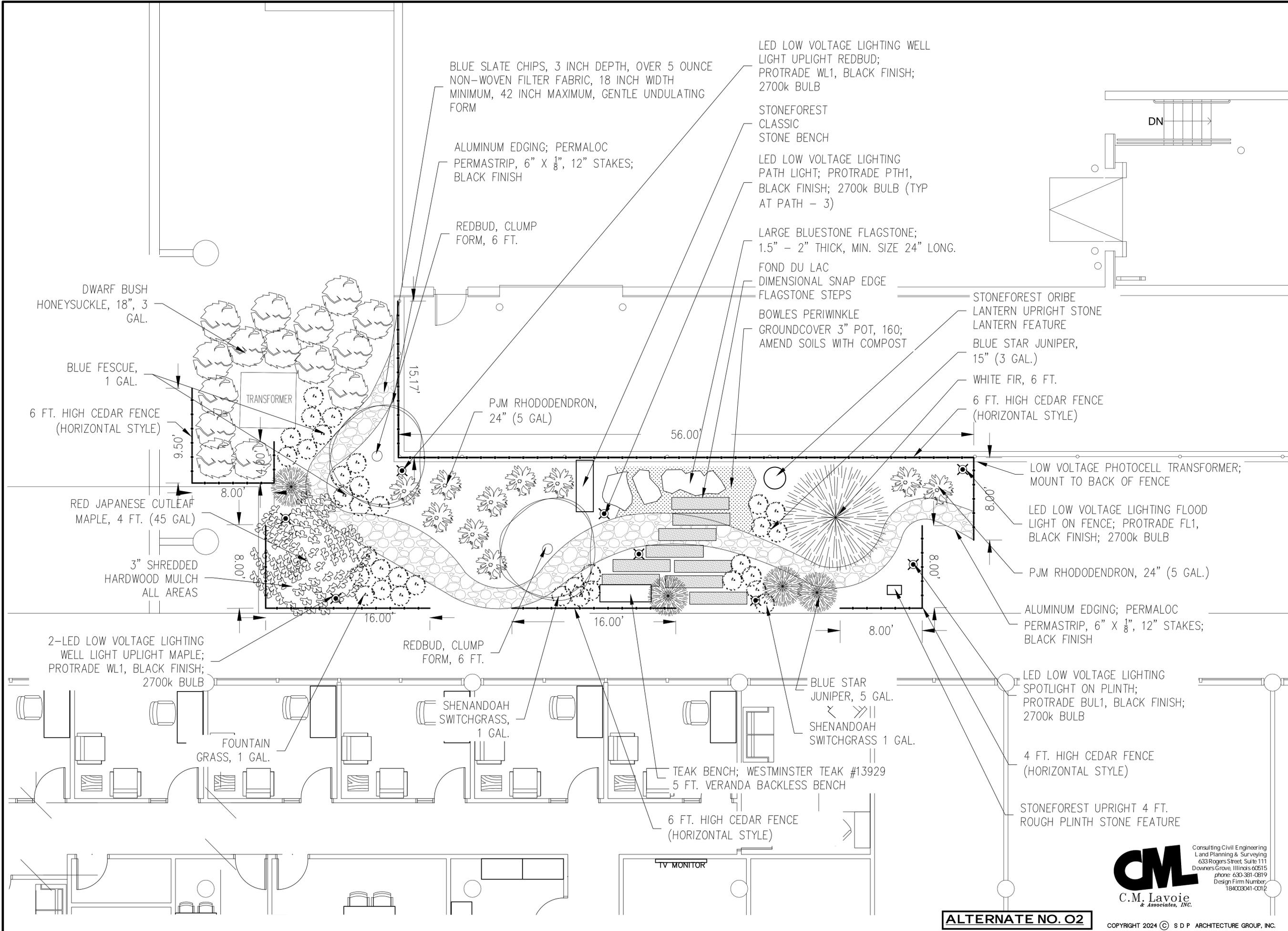
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SHEET NUMBER



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 ILLINOIS DESIGN FIRM NO. 184-005411

\\192.168.137\CURRENT PROJECTS\JJC - MHWC\DRAWINGS\ARCH\L1.AEC



BLUE SLATE CHIPS, 3 INCH DEPTH, OVER 5 OUNCE NON-WOVEN FILTER FABRIC, 18 INCH WIDTH MINIMUM, 42 INCH MAXIMUM, GENTLE UNDULATING FORM

ALUMINUM EDGING; PERMALOC PERMASTRIP, 6" X 1/8", 12" STAKES; BLACK FINISH

REDBUD, CLUMP FORM, 6 FT.

LED LOW VOLTAGE LIGHTING WELL LIGHT UPLIGHT REDBUD; PROTRADE WL1, BLACK FINISH; 2700k BULB

STONEFOREST CLASSIC STONE BENCH

LED LOW VOLTAGE LIGHTING PATH LIGHT; PROTRADE PTH1, BLACK FINISH; 2700k BULB (TYP AT PATH - 3)

LARGE BLUESTONE FLAGSTONE; 1.5" - 2" THICK, MIN. SIZE 24" LONG.

FOND DU LAC DIMENSIONAL SNAP EDGE FLAGSTONE STEPS

BOWLES PERIWINKLE GROUNDCOVER 3" POT, 160; AMEND SOILS WITH COMPOST

STONEFOREST ORIBE LANTERN UPRIGHT STONE LANTERN FEATURE

BLUE STAR JUNIPER, 15" (3 GAL.)

WHITE FIR, 6 FT.

6 FT. HIGH CEDAR FENCE (HORIZONTAL STYLE)

PJM RHODODENDRON, 24" (5 GAL)

LOW VOLTAGE PHOTOCELL TRANSFORMER; MOUNT TO BACK OF FENCE

LED LOW VOLTAGE LIGHTING FLOOD LIGHT ON FENCE; PROTRADE FL1, BLACK FINISH; 2700k BULB

PJM RHODODENDRON, 24" (5 GAL.)

ALUMINUM EDGING; PERMALOC PERMASTRIP, 6" X 1/8", 12" STAKES; BLACK FINISH

LED LOW VOLTAGE LIGHTING SPOTLIGHT ON PLINTH; PROTRADE BUL1, BLACK FINISH; 2700k BULB

4 FT. HIGH CEDAR FENCE (HORIZONTAL STYLE)

STONEFOREST UPRIGHT 4 FT. ROUGH PLINTH STONE FEATURE

DWARF BUSH HONEYSUCKLE, 18", 3 GAL.

BLUE FESCUE, 1 GAL.

6 FT. HIGH CEDAR FENCE (HORIZONTAL STYLE)

RED JAPANESE CUTLEAF MAPLE, 4 FT. (45 GAL)

3" SHREDDED HARDWOOD MULCH ALL AREAS

2-LED LOW VOLTAGE LIGHTING WELL LIGHT UPLIGHT MAPLE; PROTRADE WL1, BLACK FINISH; 2700k BULB

FOUNTAIN GRASS, 1 GAL.

SHENANDOAH SWITCHGRASS, 1 GAL.

BLUE STAR JUNIPER, 5 GAL.

SHENANDOAH SWITCHGRASS 1 GAL.

TEAK BENCH; WESTMINSTER TEAK #13929 5 FT. VERANDA BACKLESS BENCH

6 FT. HIGH CEDAR FENCE (HORIZONTAL STYLE)

DN

stromsland + de young + prybys
ARCHITECTURE GROUP
280 Veterans Parkway - 201
New Lenox, Illinois 60451
www.sdpagroup.com
815-727-1311
L.N.: 184-000437

MENTAL HEALTH AND AWARENESS CENTER
JOLIET JUNIOR COLLEGE
BUILDING J - GROUND FLOOR
1215 HOUBOLT ROAD
JOLIET, ILLINOIS

DATE: 6/21/2024
REVISED:

PROJECT NO.
2403-02

SHEET NUMBER

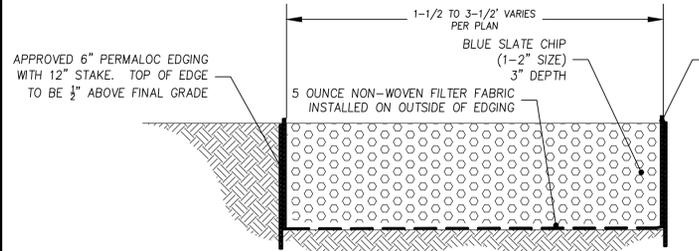
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OF 2 SHEETS

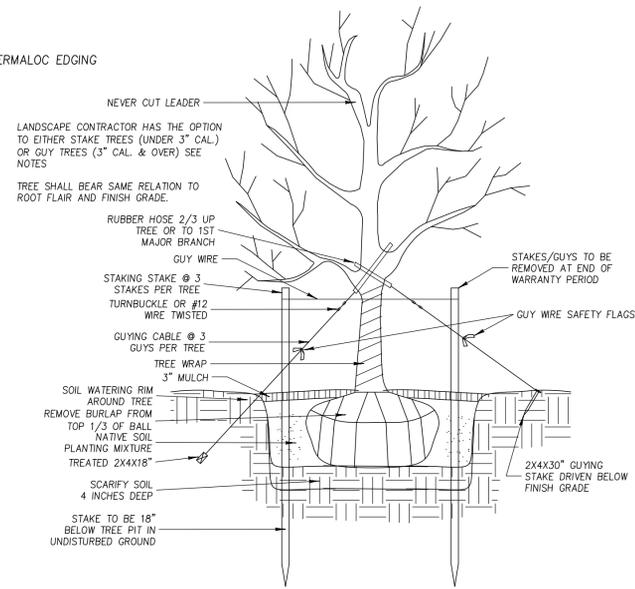
ALTERNATE NO. 02

C.M.
C.M. Lavoie
& Associates, INC.
Consulting Civil Engineering
Land Planning & Surveying
633 Rogers Street, Suite 111
Downers Grove, Illinois 60515
phone: 630-381-0819
Design Firm Number:
184003041-0012

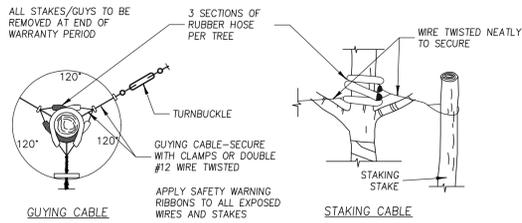
COPYRIGHT 2024 © S D P ARCHITECTURE GROUP, INC.



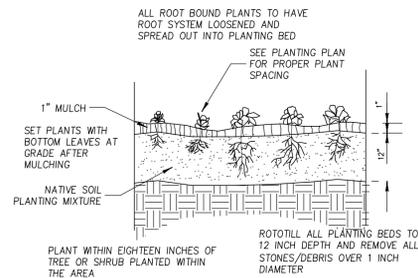
GRAVEL DECORATIVE STRIP N.T.S.



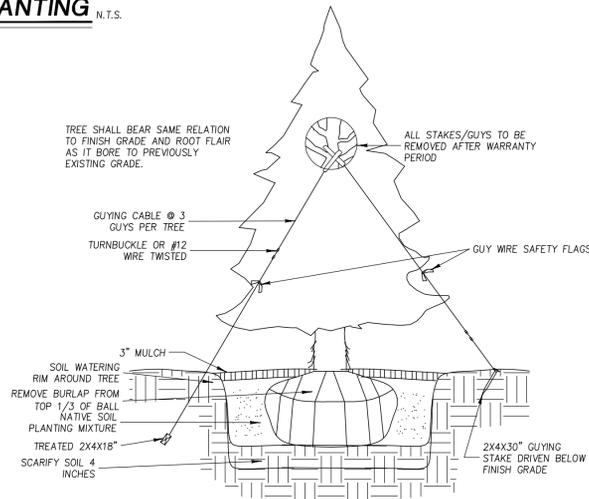
DECIDUOUS TREE PLANTING N.T.S.



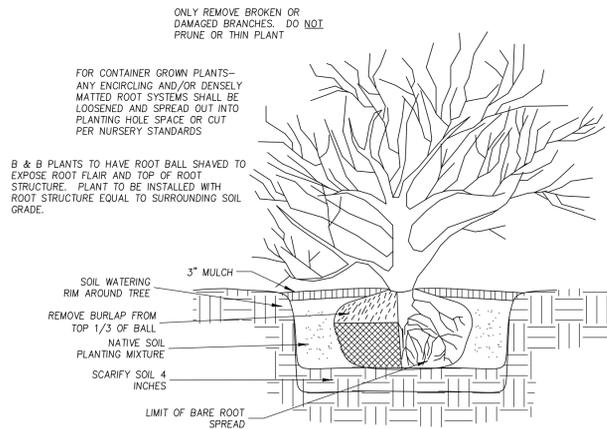
GUYING AND STAKING CABLE N.T.S.



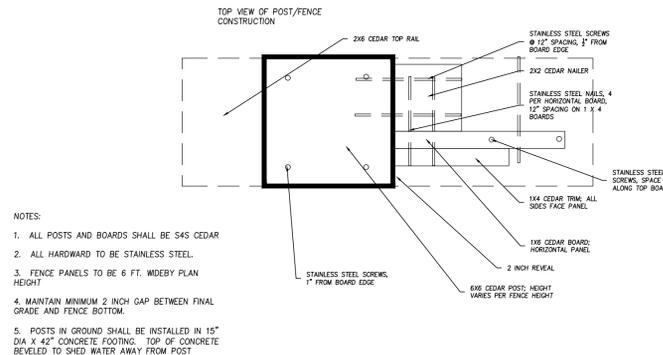
PERENNIAL PLANTING N.T.S.



EVERGREEN TREE PLANTING N.T.S.

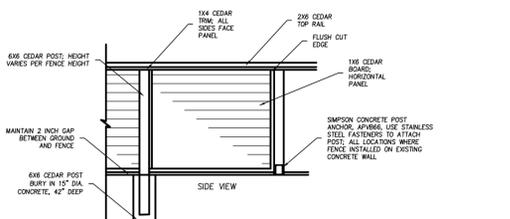


SHRUB PLANTING N.T.S.



NOTES:

1. ALL POSTS AND BOARDS SHALL BE S4S CEDAR
2. ALL HARDWARE TO BE STAINLESS STEEL
3. FENCE PANELS TO BE 6 FT. WIDELY BY PLAN HEIGHT
4. MAINTAIN MINIMUM 2 INCH GAP BETWEEN FINAL GRADE AND FENCE BOTTOM.
5. POSTS IN GROUND SHALL BE INSTALLED IN 15\"/>



DECORATIVE CEDAR FENCE N.T.S.

LANDSCAPE NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS LINES, ELECTRIC LINES, TELEPHONE LINES, ETC., AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE ENGINEER AND OWNER DO NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES AND THEIR FACILITIES SHALL BE LOCATED PRIOR TO ANY WORK.
2. NORTH ARROW AND BEARINGS BASED ON ILLINOIS STATE PLANE COORDINATES, NAD83 (2007), EAST ZONE.
3. ALL ALTERATIONS MUST BE APPROVED BY THE ARCHITECT.
4. CONTRACTOR MUST VERIFY ALL QUANTITIES AND OBTAIN ALL PROPER PERMITS AND LICENSES FROM THE PROPER AUTHORITIES.
5. ALL LANDSCAPE IMPROVEMENTS SHALL MEET JJC REQUIREMENTS AND GUIDELINES.
6. ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REFUSE ANY POOR MATERIAL OR WORKMANSHIP.
7. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.
8. ALL PLANTING SHALL BE SPACED EQUAL DISTANT, PRUNED, BACKFILLED AND THE SOIL COMPACTED, WATERED, FERTILIZED.
9. TREES MAY BE STAKED AND GUYED, WILL HAVE A WATERING SAUCER AT BASE, AND WILL HAVE WEATHER-PROOF NURSERY TAGS WITH THE SPECIES NAME FOR FUTURE IDENTIFICATION.
10. ALL PLANTING AREAS SHALL BE ROTOTILLED TO 6 INCHES WITH COMPOST, RAKED FREE OF CLUMPS AND DEBRIS.
11. ALL BEDS SHALL BE SPADE EDGED, HAVE WEED PRE-EMERGENTS APPLIED AT THE RECOMMENDED RATE, AND SHREDDED HARDWOOD MULCH SPREAD AT MINIMUM OF 3\"/>

182.168.137\CURRENT PROJECTS\JJC - MHWC\DRAWINGS\ARCH\LAEC

stromsland + de young + prybys
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815-727-1311
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MENTAL HEALTH AND AWARENESS CENTER
JOLIET JUNIOR COLLEGE
BUILDING J - GROUND FLOOR
1215 HOUBOLT ROAD
JOLIET, ILLINOIS

DATE: 6/21/2024
REVISED:

PROJECT NO.
2403-02

SHEET NUMBER

L2

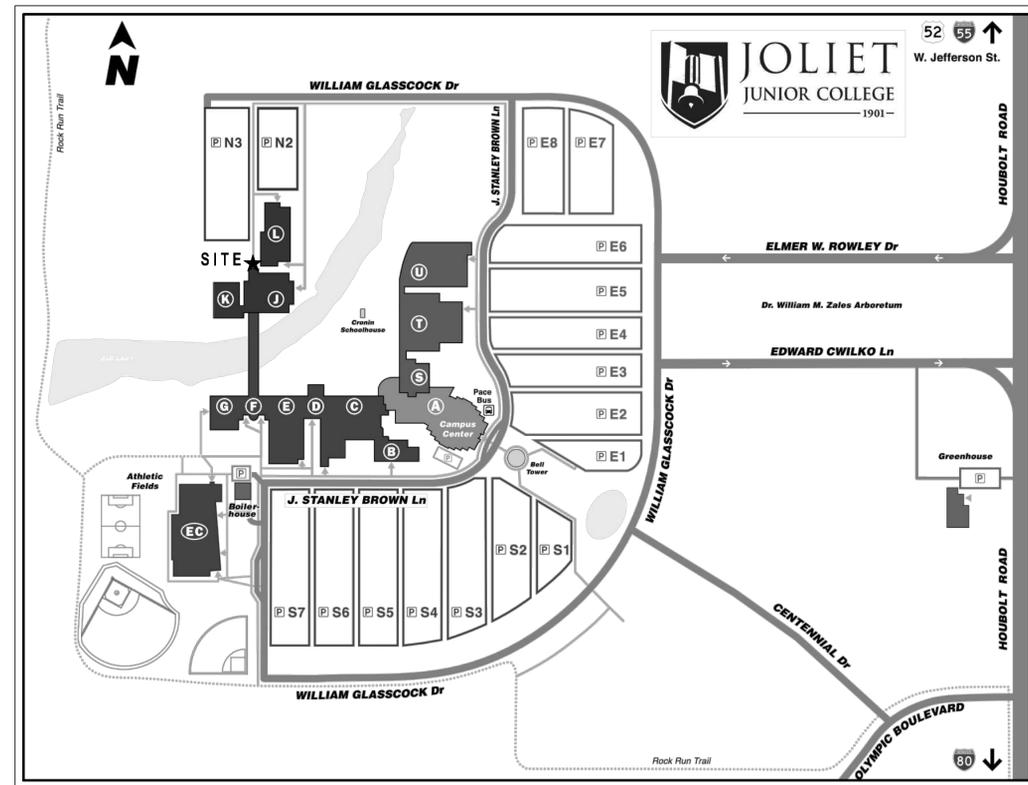
OF 2 SHEETS

C.M. Lavoie & Associates, INC.
Consulting Civil Engineering
and Planning & Surveying
633 Rogers Street, Suite 111
Downers Grove, Illinois 60515
phone: 630-381-0819
Design Firm Number:
184003041-0012

ALTERNATE NO. 02

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Improvement Plans for **NEW MENTAL HEALTH GARDEN ALTERNATE #3** **Joliet Junior College** City of Joliet Will County, Illinois



SITE LOCATION MAP
NOT TO SCALE

INDEX OF ENGINEERING SHEETS	
SHEET No.	DESCRIPTION
C0.00	COVER SHEET
C1.00	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.00	PROPOSED SITE GRADING PLAN
C3.00	PROPOSED SITE GEOMETRY PLAN
C4.00	GENERAL NOTES AND CONSTRUCTION DETAILS

NOTES:
1.) PROPERTY LINE GEOMETRY AND EASEMENTS DEPICTED ON THE IMPROVEMENT PLANS DO NOT NECESSARILY REPRESENT THE FINAL GEOMETRY AND EASEMENTS SHOWN ON THE MOST RECENT PLAT OF SUBDIVISION. REFER TO THE PLAT OF SUBDIVISION FOR THIS INFORMATION.

LAND SURVEYOR / ENGINEER:

RUETTIGER, TONELLI & ASSOCIATES, INC.
& TWIG TECHNOLOGIES
129 CAPISTA DRIVE
SHOREWOOD, ILLINOIS 60404
Ph. (815) 744-6600

OWNER / DEVELOPER:

JOLIET JUNIOR COLLEGE
1215 HOUBOLT ROAD
JOLIET, ILLINOIS 60431
Ph. ***

I, JOSEPH P. HAMMER, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF ILLINOIS, HEREBY CERTIFY THAT THESE IMPROVEMENT PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION BY RUETTIGER, TONELLI & ASSOCIATES, INC., ILLINOIS PROFESSIONAL DESIGN FIRM No. 184-001251.
DATED THIS 30th DAY OF MAY, A.D. 2024.

Joseph P. Hammer
JOSEPH P. HAMMER IL P.E. No. 062-053186 (EXPIRES 11-30-2025)
TO BE THE AUTHORITY OF THIS DRAWING, IT MUST BEAR THE EMBOSSED SEAL OF THE DESIGN FIRM OR PROFESSIONAL LICENSEE WHO PREPARED THIS DRAWING.



SITE BENCHMARK #1:
CUT CROSS IN CONCRETE SIDEWALK LOCATED 4.37' NORTHWEST OF THE NORTHWEST CORNER OF THE EXISTING "P" BUILDING AS SHOWN ON THESE PLANS.
ELEVATION = 565.26

ALTERNATE NO. 03



REVISIONS				DOCUMENTATION:			
No.	DATE	DESCRIPTION	BY	No.	DATE	DESCRIPTION	BY
0	5-30-2024	RELEASED FOR BID	R.P.				

**Ruettiger, Tonelli & Associates, Inc.
& TWiG Technologies**

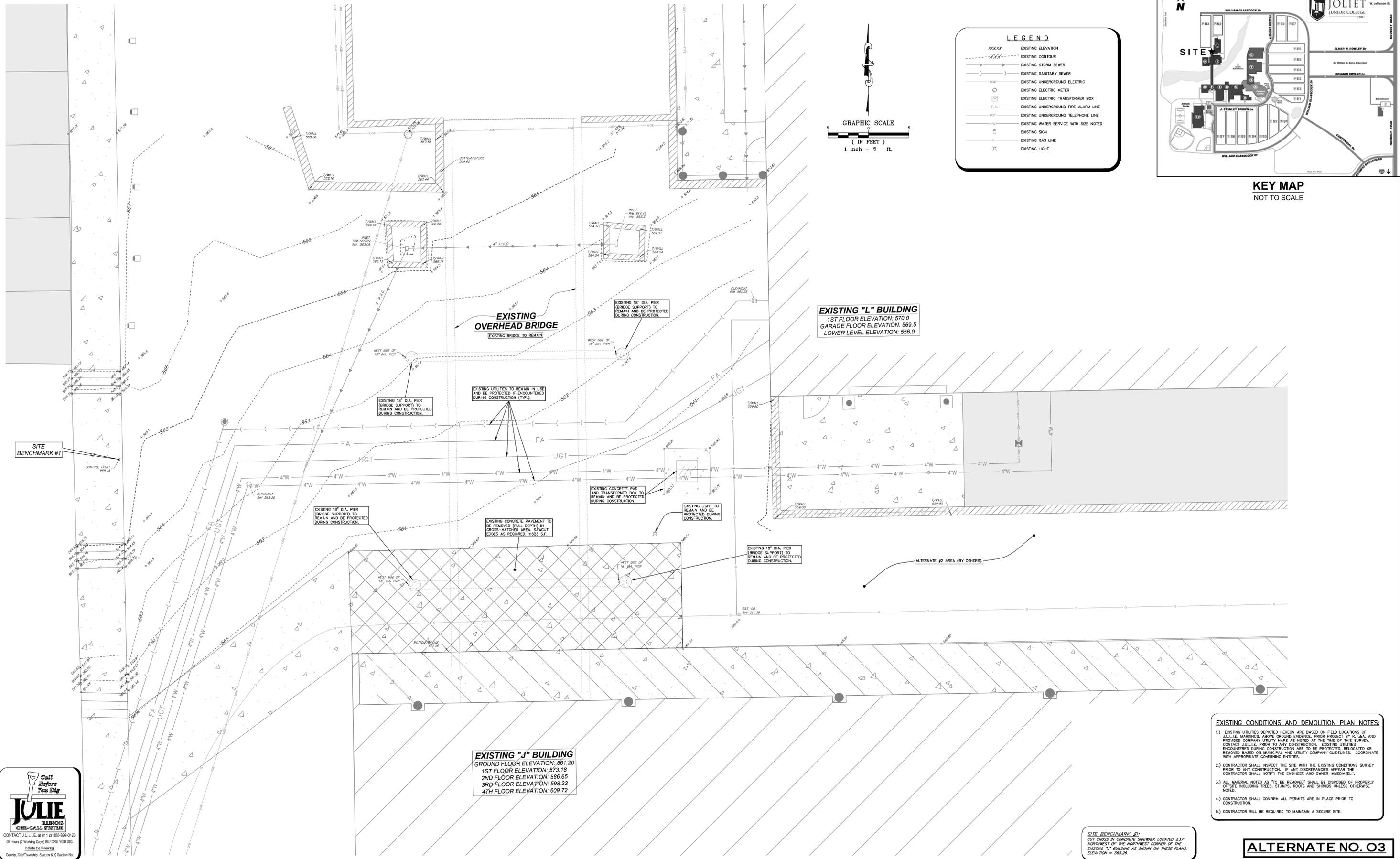
Surveyors - Engineers - Planners - G.I.S. Consultants
129 Capista Drive - Shorewood, Illinois 60404
Ph: (815) 744-6600 Website: www.ruettigertonnelli.com

PROJECT TITLE:
**NEW MENTAL HEALTH GARDEN
ALTERNATE #3
JOLIET JUNIOR COLLEGE
1215 HOUBOLT ROAD
JOLIET, ILLINOIS 60431**

DRAWING TITLE:
**RELEASED FOR BID
COVER SHEET**

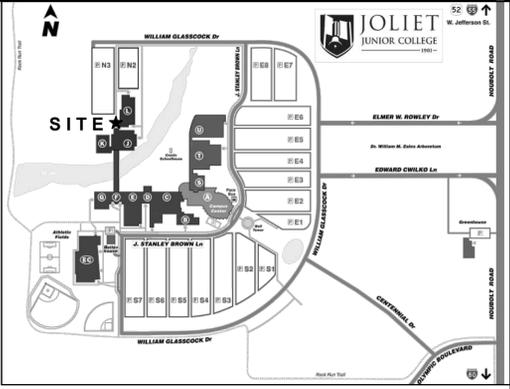
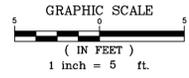
DRAWING No.
324-0520-C1
SCALE:
AS NOTED
SHEET C0.00

N:\Temp\2024\0520\Engineering\Plan Set\1 - JJC Mental Health Garden Plans\C0.00 - Cover Sheet.dwg, Layout1, 13/05/2024, 3:32:24 PM, jppmpe



LEGEND

- XXXXXX EXISTING ELEVATION
- - - - - EXISTING CONTOUR
- - - - - EXISTING STORM SEWER
- - - - - EXISTING SANITARY SEWER
- USE EXISTING UNDERGROUND ELECTRIC
- ⊙ EXISTING ELECTRIC METER
- ⊕ EXISTING ELECTRIC TRANSFORMER BOX
- ⊕ EXISTING UNDERGROUND FIRE ALARM LINE
- ⊕ EXISTING UNDERGROUND TELEPHONE LINE
- UT EXISTING WATER SERVICE WITH SIZE NOTED
- ⊕ EXISTING SIGN
- ⊕ EXISTING GAS LINE
- ⊕ EXISTING LIGHT



KEY MAP
 NOT TO SCALE

SITE BENCHMARK #1

EXISTING "L" BUILDING
 1ST FLOOR ELEVATION: 570.0
 GARAGE FLOOR ELEVATION: 569.5
 LOWER LEVEL ELEVATION: 556.0

EXISTING OVERHEAD BRIDGE
 EXISTING BRIDGE TO REMAIN

EXISTING "J" BUILDING
 GROUND FLOOR ELEVATION: 561.20
 1ST FLOOR ELEVATION: 573.13
 2ND FLOOR ELEVATION: 586.65
 3RD FLOOR ELEVATION: 598.23
 4TH FLOOR ELEVATION: 609.72

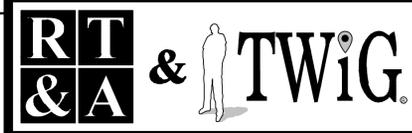
- EXISTING CONDITIONS AND DEMOLITION PLAN NOTES:**
- 1.) EXISTING UTILITIES DEPICTED HEREON ARE BASED ON FIELD LOCATIONS OF JULIE MARKERS ABOVE GROUND EVIDENCE. PRIOR PROTECT BY R.T.A. AND PROVIDED COMPANY UTILITY MAPS AS NOTED AT THE TIME OF THIS SURVEY. CONTACT JULIE PRIOR TO ANY CONSTRUCTION. EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO BE PROTECTED, RELOCATED OR REMOVED BASED ON MUNICIPAL AND UTILITY COMPANY GUIDELINES. COORDINATE WITH APPROPRIATE GOVERNING ENTITIES.
 - 2.) CONTRACTOR SHALL INSPECT THE SITE WITH THE EXISTING CONDITIONS SURVEY PRIOR TO ANY CONSTRUCTION. IF ANY DISCREPANCIES APPEAR THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER IMMEDIATELY.
 - 3.) ALL MATERIAL NOTED AS "TO BE REMOVED" SHALL BE DISPOSED OF PROPERLY OFFSITE INCLUDING TREES, STUMPS, ROOTS AND SHRUBS UNLESS OTHERWISE NOTED.
 - 4.) CONTRACTOR SHALL CONFIRM ALL PERMITS ARE IN PLACE PRIOR TO CONSTRUCTION.
 - 5.) CONTRACTOR WILL BE REQUIRED TO MAINTAIN A SECURE SITE.

SITE BENCHMARK #1:
 CUT CROSS IN CONCRETE SIDEWALK LOCATED 4.37' NORTHWEST OF THE NORTHWEST CORNER OF THE EXISTING "L" BUILDING AS SHOWN ON THESE PLANS. ELEVATION = 565.26

ALTERNATE NO. 03

REVISIONS				DOCUMENTATION:			
No.	DATE	DESCRIPTION	BY	No.	DATE	DESCRIPTION	BY
0	5-30-2024	RELEASED FOR BID	R.P.				

PROJECT No.: 20240520.00
 DATE OF ORIGIN: 5-07-2024
 FIELD BOOK: JUC BOOK 2
 PAGE NUMBER: 64
 DRAWN BY: R.P.
 CHECKED BY: J.H.



Ruettiger, Tonelli & Associates, Inc. & TWiG Technologies
 Surveyors - Engineers - Planners - G.I.S. Consultants
 129 Capista Drive - Shorewood, Illinois 60404
 Ph: (815) 744-6600 Website: www.ruettigertonnelli.com

PROJECT TITLE:
NEW MENTAL HEALTH GARDEN
ALTERNATE #3
 JOLIET JUNIOR COLLEGE
 1215 HOUBOLT ROAD
 JOLIET, ILLINOIS 60431

DRAWING TITLE:
EXISTING CONDITIONS AND DEMOLITION PLAN

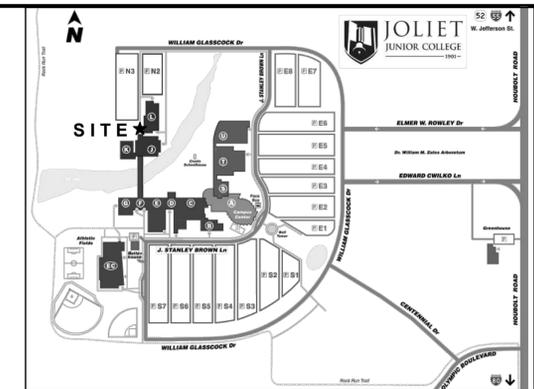
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DRAWING No.
 324-0520-C1

SCALE:
 AS NOTED

SHEET C1.00

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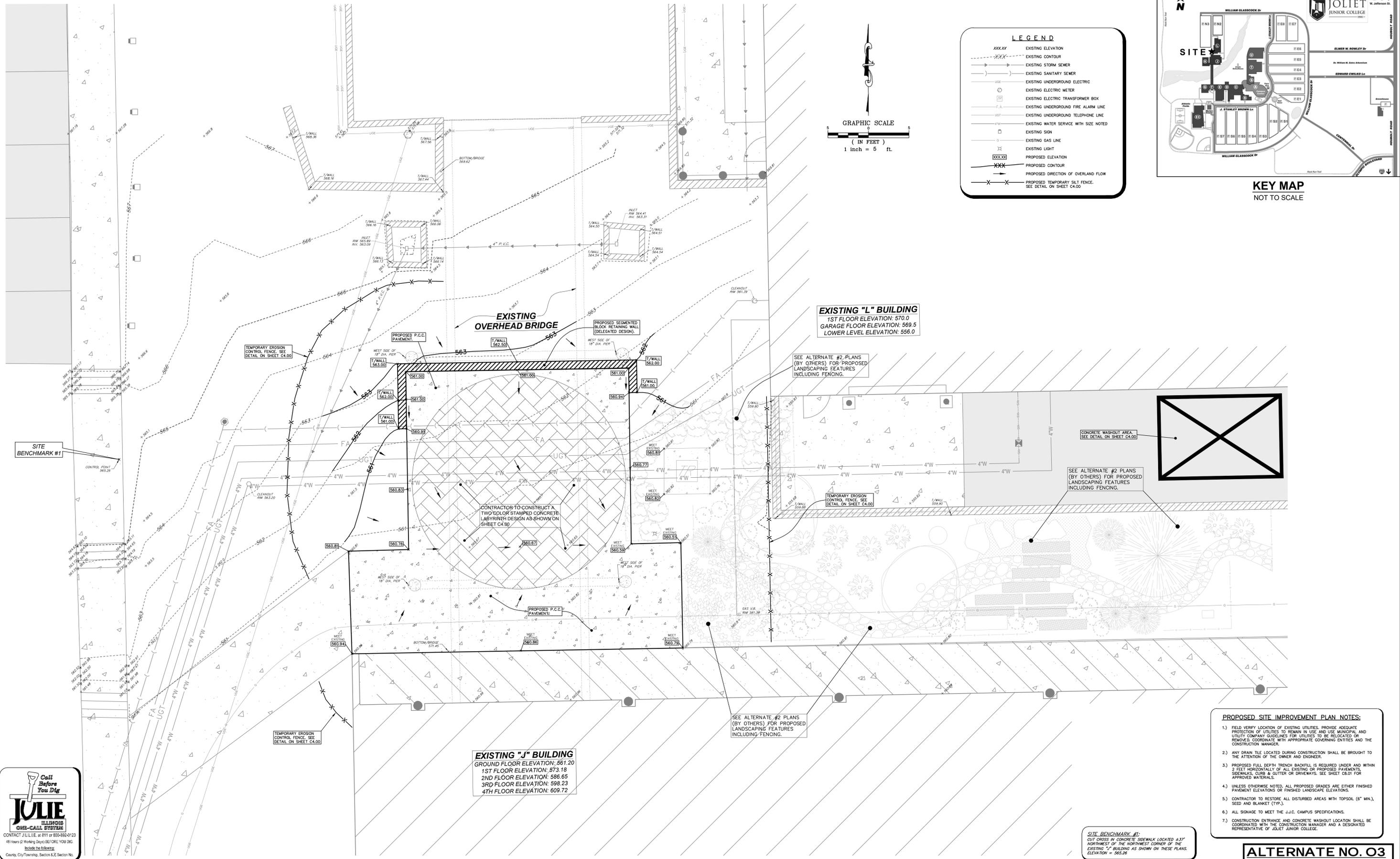


KEY MAP
NOT TO SCALE

LEGEND

- XXXXXX EXISTING ELEVATION
- - - - - EXISTING CONTOUR
- - - - - EXISTING STORM SEWER
- - - - - EXISTING SANITARY SEWER
- - - - - EXISTING UNDERGROUND ELECTRIC
- ⊙ EXISTING ELECTRIC METER
- ⊠ EXISTING ELECTRIC TRANSFORMER BOX
- - - - - EXISTING UNDERGROUND FIRE ALARM LINE
- - - - - EXISTING UNDERGROUND TELEPHONE LINE
- - - - - EXISTING WATER SERVICE WITH SIZE NOTED
- ⊕ EXISTING SIGN
- ⊙ EXISTING GAS LINE
- ⊙ EXISTING LIGHT
- XXXXX PROPOSED ELEVATION
- - - - - PROPOSED CONTOUR
- - - - - PROPOSED DIRECTION OF OVERLAND FLOW
- - - - - PROPOSED TEMPORARY SILL FENCE. SEE DETAIL ON SHEET C4.00

GRAPHIC SCALE
(IN FEET)
1 inch = 5 ft.



EXISTING "L" BUILDING
1ST FLOOR ELEVATION: 570.0
GARAGE FLOOR ELEVATION: 569.5
LOWER LEVEL ELEVATION: 556.0

EXISTING "J" BUILDING
GROUND FLOOR ELEVATION: 561.20
1ST FLOOR ELEVATION: 573.18
2ND FLOOR ELEVATION: 586.65
3RD FLOOR ELEVATION: 598.23
4TH FLOOR ELEVATION: 609.72

- PROPOSED SITE IMPROVEMENT PLAN NOTES:**
- 1) FIELD VERIFY LOCATION OF EXISTING UTILITIES. PROVIDE ADEQUATE PROTECTION OF UTILITIES TO REMAIN IN USE AND USE MUNICIPAL AND UTILITY COMPANY GUIDELINES FOR UTILITIES TO BE RELOCATED OR REMOVED. COORDINATE WITH APPROPRIATE GOVERNING ENTITIES AND THE CONSTRUCTION MANAGER.
 - 2) ANY DRAIN TILE LOCATED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER.
 - 3) PROPOSED FULL DEPTH TRENCH BACKFILL IS REQUIRED UNDER AND WITHIN 2 FEET HORIZONTALLY OF ALL EXISTING OR PROPOSED PAVEMENTS, SIDEWALKS, CURB & GUTTER OR DRIVEWAYS. SEE SHEET C8.01 FOR APPROVED MATERIALS.
 - 4) UNLESS OTHERWISE NOTED, ALL PROPOSED GRADES ARE EITHER FINISHED PAVEMENT ELEVATIONS OR FINISHED LANDSCAPE ELEVATIONS.
 - 5) CONTRACTOR TO RESTORE ALL DISTURBED AREAS WITH TOPSOIL (6" MIN.), SEED AND BLANKET (TYP.).
 - 6) ALL SIGNAGE TO MEET THE J.J.C. CAMPUS SPECIFICATIONS.
 - 7) CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT LOCATION SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER AND A DESIGNATED REPRESENTATIVE OF JOLIET JUNIOR COLLEGE.

SITE BENCHMARK #1:
CUT CROSS IN CONCRETE SIDEWALK LOCATED 4.37' NORTHWEST OF THE NORTHWEST CORNER OF THE EXISTING "J" BUILDING AS SHOWN ON THESE PLANS. ELEVATION = 565.26

ALTERNATE NO. O3

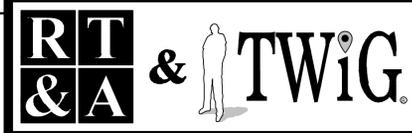
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48 Hours (2 Working Days) BEFORE YOU DIG.
Includes the following:
County, City/Township, Section 6 & Z Section No.

REVISIONS

No.	DATE	DESCRIPTION	BY
0	5-30-2024	RELEASED FOR BID	R.P.

DOCUMENTATION:

PROJECT No.: 20240520.00
DATE OF ORIGIN: 5-07-2024
FIELD BOOK: JJC BOOK 2
PAGE NUMBER: 64
DRAWN BY: R.P.
CHECKED BY: J.H.



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Surveyors - Engineers - Planners - G.I.S. Consultants
129 Capital Drive - Shorewood, Illinois 60404
Ph: (815) 744-6600 Website: www.ruettigeronelli.com

PROJECT TITLE:
NEW MENTAL HEALTH GARDEN
ALTERNATE #3
JOLIET JUNIOR COLLEGE
1215 HOUBOLT ROAD
JOLIET, ILLINOIS 60431

DRAWING TITLE:
PROPOSED SITE GRADING PLAN

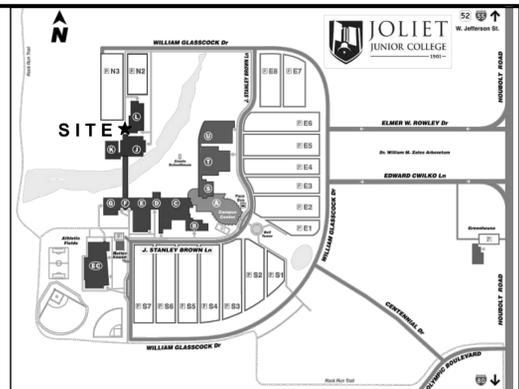
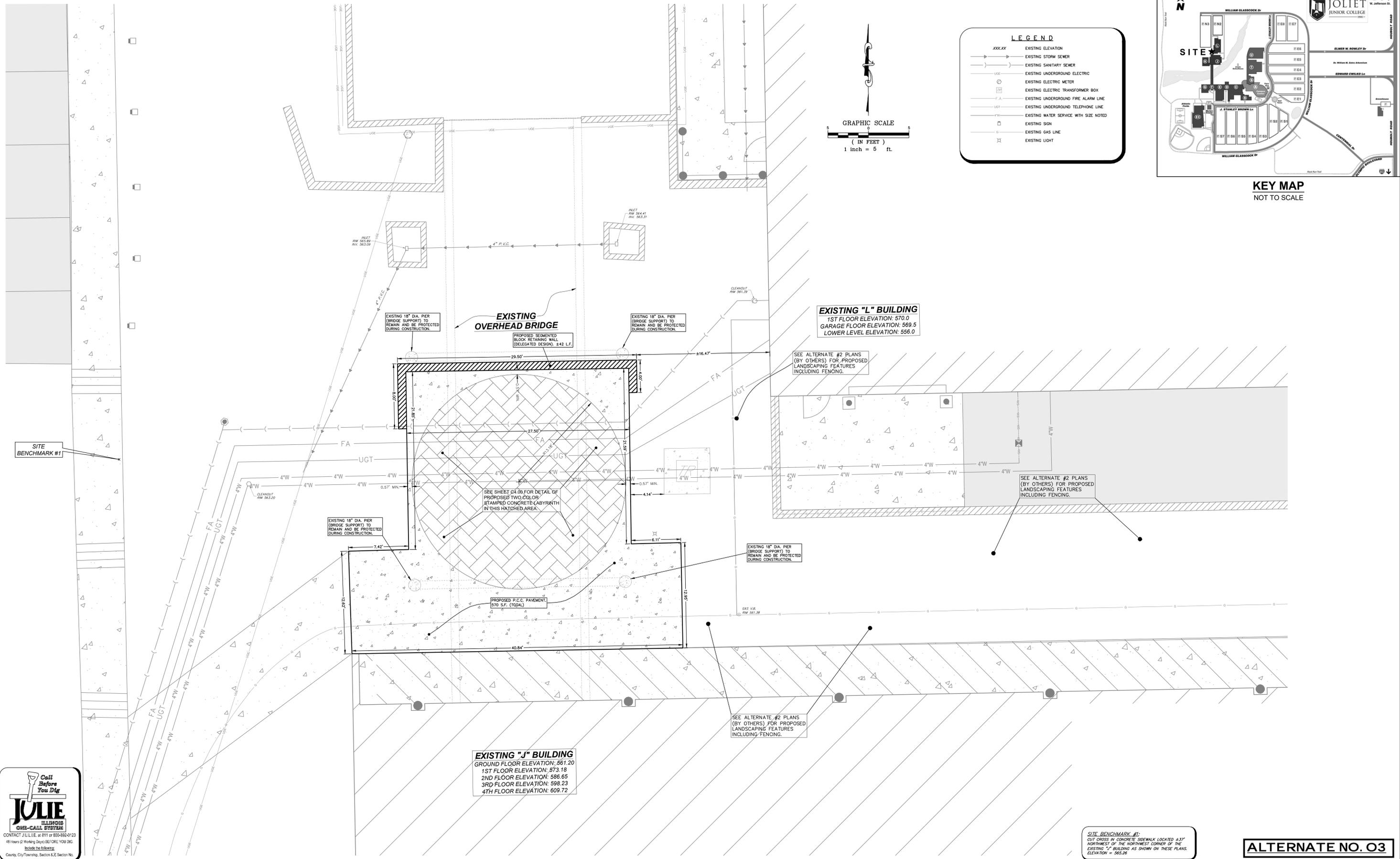
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DRAWING No.
324-0520-C1

SCALE:
AS NOTED

SHEET C2.00

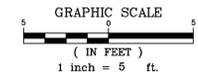
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KEY MAP
NOT TO SCALE

LEGEND

- XXXXXX EXISTING ELEVATION
-) EXISTING STORM SEWER
-) EXISTING SANITARY SEWER
-) EXISTING UNDERGROUND ELECTRIC
-) EXISTING UNDERGROUND FIRE ALARM LINE
-) EXISTING UNDERGROUND TELEPHONE LINE
-) EXISTING WATER SERVICE WITH SIZE NOTED
-) EXISTING SIGN
-) EXISTING GAS LINE
- ⊗ EXISTING LIGHT



SITE BENCHMARK #1

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CONTACT JULIE at 811 or 800-892-0123
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REVISIONS

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0	5-30-2024	RELEASED FOR BID	R.P.

DOCUMENTATION:

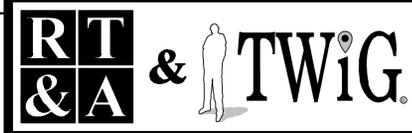
No.	DATE	DESCRIPTION	BY
		PROJECT No.: 20240520.00	
		DATE OF ORIGIN: 5-07-2024	
		FIELD BOOK: JJC BOOK 2	
		PAGE NUMBER: 64	
		DRAWN BY: R.P.	
		CHECKED BY: J.H.	

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1ST FLOOR ELEVATION: 573.18
2ND FLOOR ELEVATION: 586.65
3RD FLOOR ELEVATION: 598.23
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EXISTING "L" BUILDING
1ST FLOOR ELEVATION: 570.0
GARAGE FLOOR ELEVATION: 569.5
LOWER LEVEL ELEVATION: 556.0

ALTERNATE NO. 03

SITE BENCHMARK #1:
CUT CROSS IN CONCRETE SIDEWALK LOCATED 4.37' NORTHWEST OF THE NORTHWEST CORNER OF THE EXISTING "L" BUILDING AS SHOWN ON THESE PLANS. ELEVATION = 565.26



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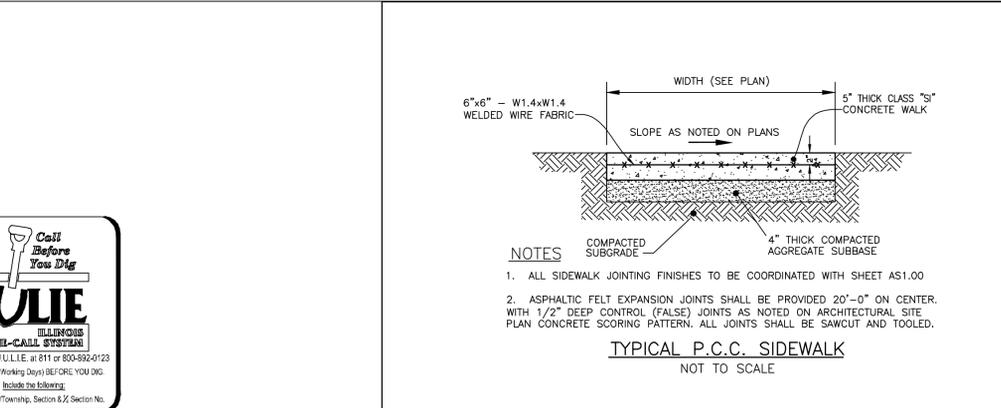
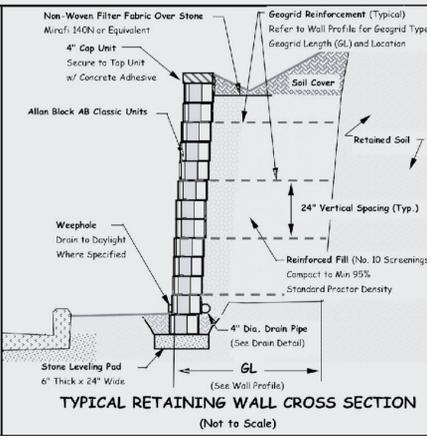
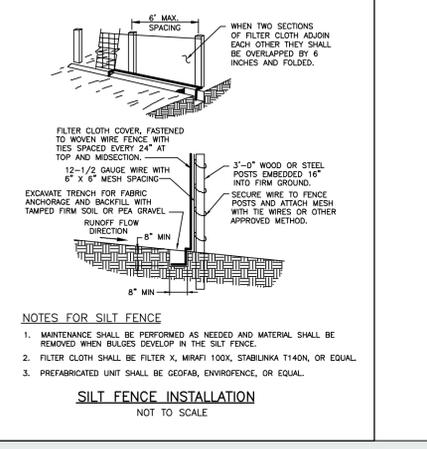
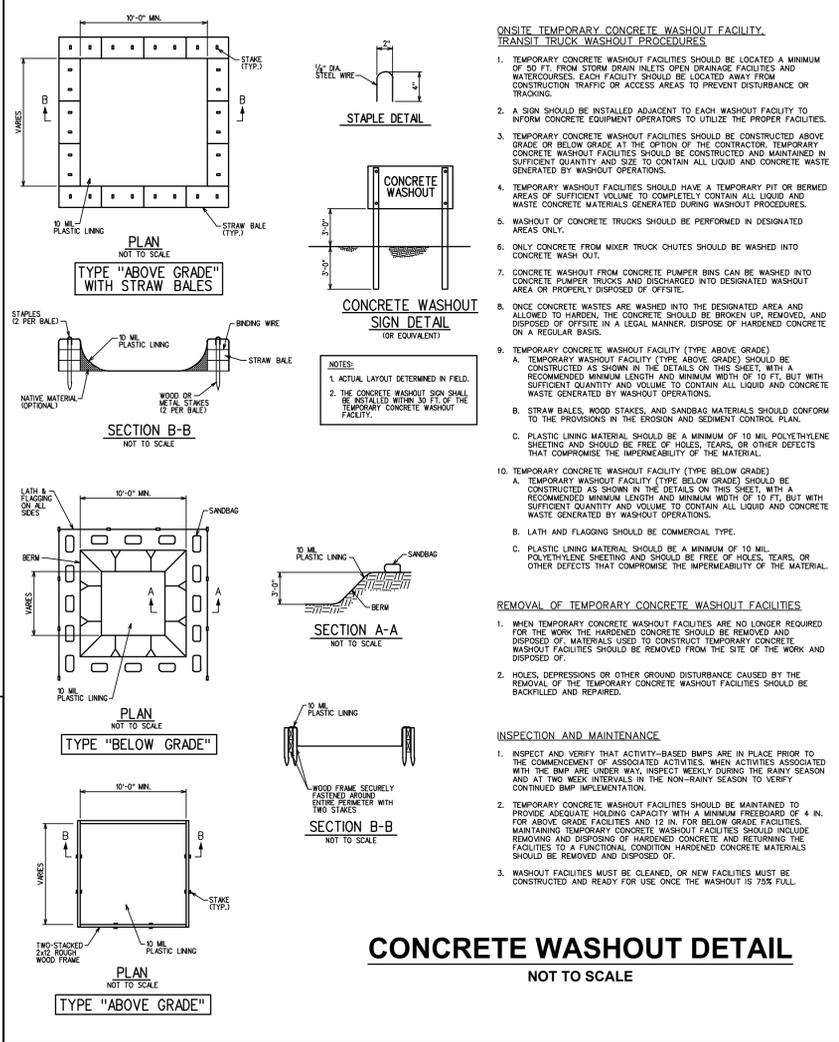
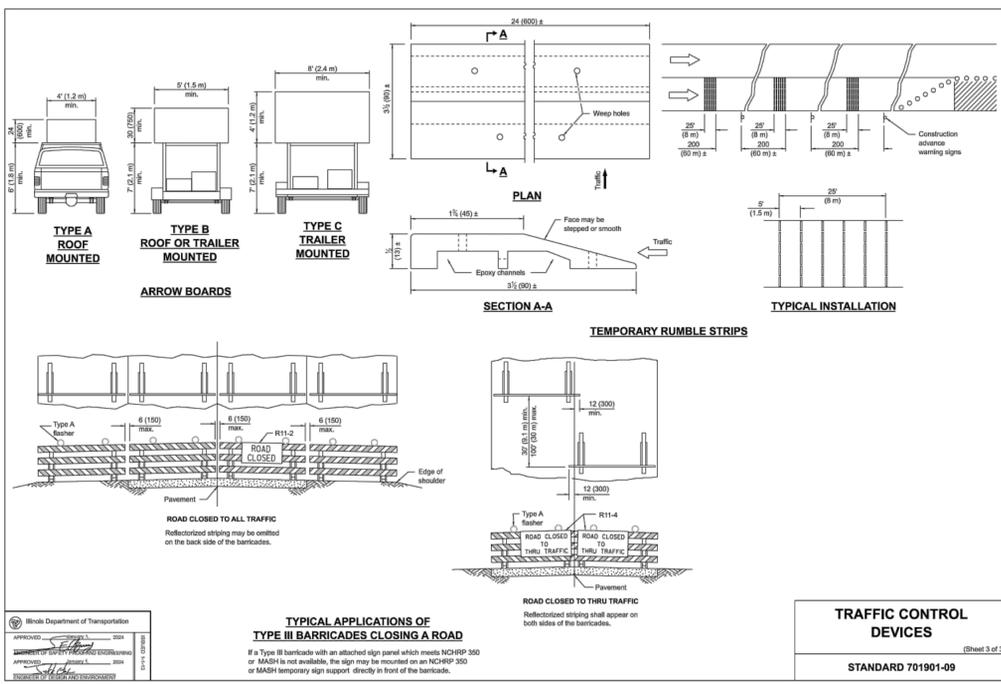
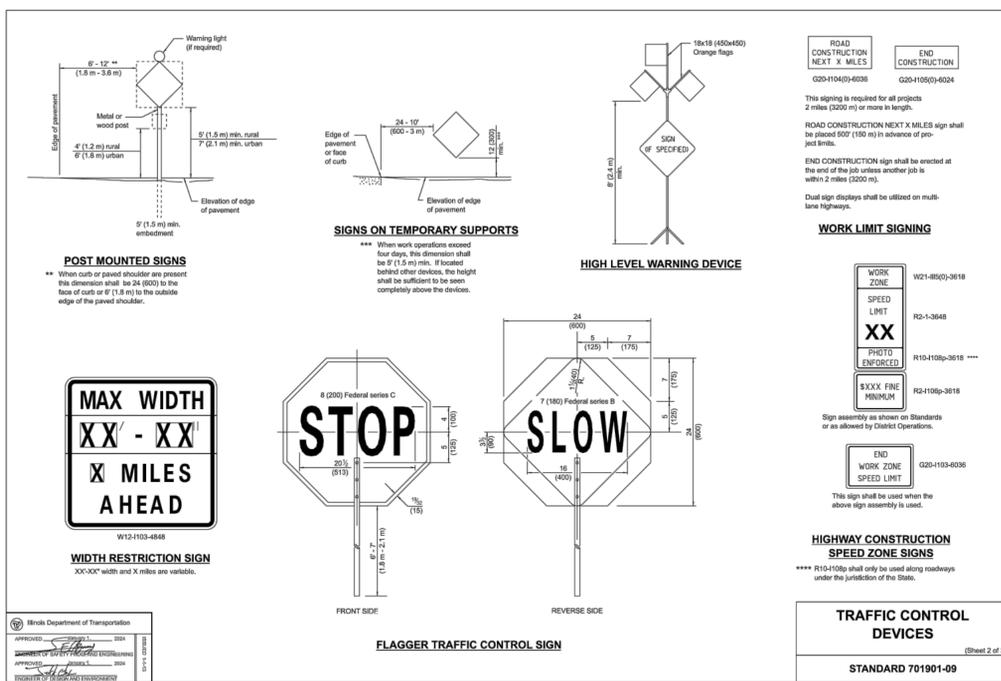
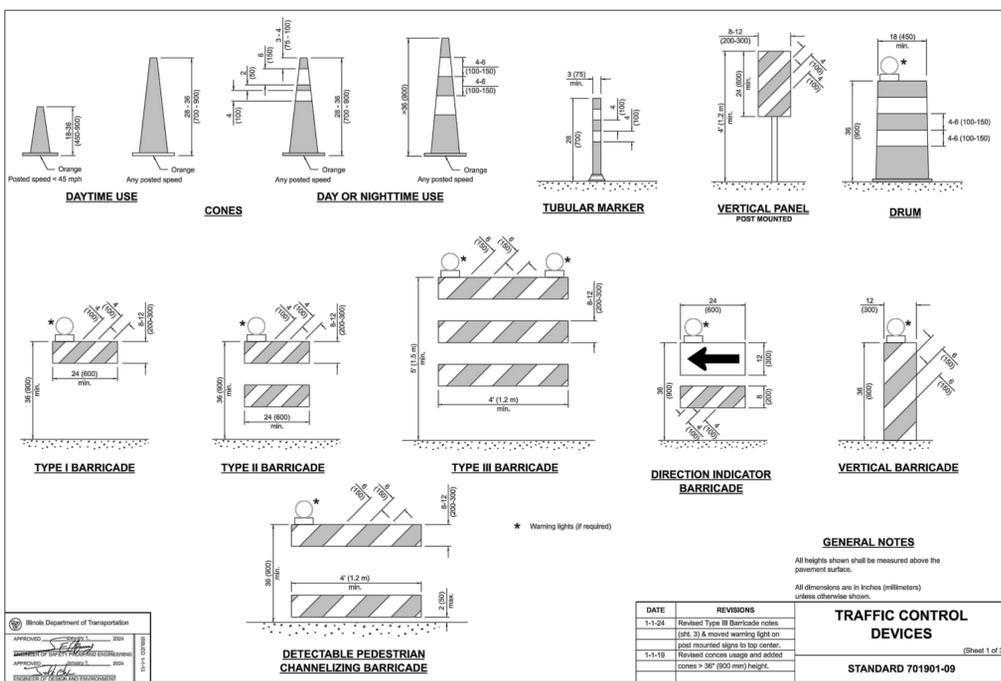
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NEW MENTAL HEALTH GARDEN
ALTERNATE #3
JOLIET JUNIOR COLLEGE
1215 HOUBOLT ROAD
JOLIET, ILLINOIS 60431

DRAWING TITLE:
PROPOSED SITE GEOMETRY PLAN

RELEASING AGENCY:
JOLIET JUNIOR COLLEGE

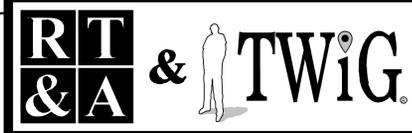
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REVISIONS				DOCUMENTATION:			
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PROJECT TITLE: NEW MENTAL HEALTH GARDEN
ALTERNATE #3
JOLIET JUNIOR COLLEGE
1215 HUBBOLT ROAD
JOLIET, ILLINOIS 60431

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GENERAL NOTES AND CONSTRUCTION DETAILS		SCALE:	
		AS NOTED	
		SHEET C4.00	

SITE CONSTRUCTION GENERAL NOTES

- ALL NEW CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION; AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ILLINOIS DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
 - ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY JOLIET JUNIOR COLLEGE.
 - UNLESS NOTED OTHERWISE, ANY UNDERGROUND SEWER OR DRAIN TILE SHALL REMAIN IN OPERATION, AND IF DAMAGED SHALL BE REPAIRED TO EXISTING OR BETTER CONDITION. THE OWNER OF THE TILE AND THE CITY SHALL BE NOTIFIED BEFORE TRENCH IS BACKFILLED.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE OWNER AND ENGINEER IF THERE IS ANY DISCREPANCY BETWEEN THE PLANS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ANY STAGE CONSTRUCTION OF PROPOSED IMPROVEMENTS.
 - EROSION CONTROL TO BE APPLIED PER THE ILLINOIS PROCEDURES FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL MANUAL, LATEST EDITION.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COMPLETELY REMOVE AND PROPERLY DISPOSE OF EXISTING STRUCTURES, DEBRIS, WASTES AND VEGETATION FROM THE SITE AS NOTED ON THE PLAN OR AS MAY BE REQUIRED TO PROPERLY COMPLETE HIS WORK. ALL DEBRIS AND SURPLUS MATERIALS REMOVED FROM THE SITE SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. NO ON-SITE BURNING OR BURIAL SHALL BE ALLOWED.
- THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER AT ALL TIMES. DEBRIS AND SURPLUS MATERIAL CLEAN UP AND REMOVAL SHALL PROCEED AS THE WORK PROCEEDS.
- THE CONTRACTOR TO MAINTAIN A SECURE JOB SITE. SITE SECURITY PLAN SHALL BE COORDINATED WITH JUC AND MAY REQUIRE A TEMPORARY SECURITY FENCE.
- TRAFFIC CONTROL**
ALL WORK CONDUCTED WITHIN ANY PUBLIC RIGHT OF WAY SHALL BE GOVERNED BY THE APPLICABLE ARTICLES OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS". WORK SHALL INCLUDE FURNISHING, INSTALLING, MAINTAINING, RELOCATING AND REMOVING ALL TRAFFIC CONTROL DEVICES USED FOR THE PURPOSE OF REGULATING, WARNING OR DIRECTING TRAFFIC DURING THE CONSTRUCTION OF ANY IMPROVEMENTS, LOADING AND UNLOADING OF MATERIALS, MOBILIZATION OF EQUIPMENT, CLEANING OF PAVEMENTS, OR WHENEVER THE SAFETY OF WORKERS OR TRAFFIC MAY BE AN ISSUE.
- TRAFFIC CONTROL DEVICES INCLUDE: SIGNS AND THEIR SUPPORTS, SIGNALS, PAVEMENT MARKINGS, BARRICADES WITH SAND BAGS, CHANNELING DEVICES, WARNING LIGHTS, ARROW BOARDS, FLAGGERS, OR ANY OTHER DEVICE USED FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC THROUGH THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATION, INSTALLATION, AND ARRANGEMENT OF ALL TRAFFIC, ANY DROP OFF GREATER THAN TWO INCHES WITHIN EIGHT FEET OF THE PAVEMENT EDGE SHALL BE PROTECTED BY TYPE I OR II BARRICADES WITH IDOT APPROVED WARNING LIGHTS.
- TRAFFIC CONTROL DEVICES AND MEASURES SHALL BE SUBJECT TO APPROVAL AND INSPECTION BY ANY AND ALL GOVERNING AUTHORITIES THAT MAY HAVE JURISDICTION OVER THE ROADWAY AND/OR ADJACENT RIGHT OF WAYS.

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