12049.00

VA DALLAS - NLC ENCLOSURE

01- EXISTING STRUCTURAL FOUNDATION FOR THE TOWER CRANE. ELECTRICAL POWER IS AVAILABLE WITHIN 225 FEET.

02- NEW 6'-0" TALL CHAIN LINK FENCE PROVIDED BY THE GENERAL CONTRACTOR. PROVIDE A SECURE OPERATIONAL GATE THAT WILL ACCOMMODATE ALL CONSTRUCTION VEHICLES. THIS WILL BE THE GENERAL CONTRACTORS STAGING AREA.

03- THE GENERAL CONTRACTOR IS TO PROVIDE STEEL CONEX TRAILERS TO PROVIDE PROTECTED "INGRESS" AND "EGRESS" FOR VA PERSONNEL. THE FLOORS/ WALLS/ CEILINGS ARE TO BE LINED WITH 1/2" THICK CONSTRUCTION GRADE PLYWOOD AND FIRE TREATED. ALL PLYWOOD TRANSITION JOINTS HAVE A TOLERANCE NO GREATER THAN 1/4". BOTH INTERIOR SIDES OF THE CONEX TRAILERS WILL HAVE AN ADA COMPLIANT HANDRAIL INSTALLED AND THE "PATH OF TRAVEL" WITHIN THE CONEX TRAILER SHALL HAVE A RUNNING SLOPE OF NOT MORE THAN 5% SLOPE AND A CROSS SLOPE OF NOT MORE THAN 2%. THE MAIN ENTRANCE/ EXIT TO THE CONEX TRAILERS SHALL NOT EXCEED 4.5% SLOPE. THE INTERIOR WALLS AND CEILING ARE TO BE PAINTED WHITE AND THE FLOOR COVERED WITH A NON-SLIP SURFACE. THE INTERIOR WILL BE LIGHTED WITH A CONTINOUS STRIP OF 1 X 4 FLUORESCENT LIGHT FIXTURES WITH PROTECTED LENSES. EXIT LIGHTS AND FIRE EXTINGUISHERS SHALL BE PROVIDED AS DIRECTED BY THE VA'S SAFETY OFFICER. THE CONEX TRAILER SYSTEM SHALL BE WATER TIGHT.

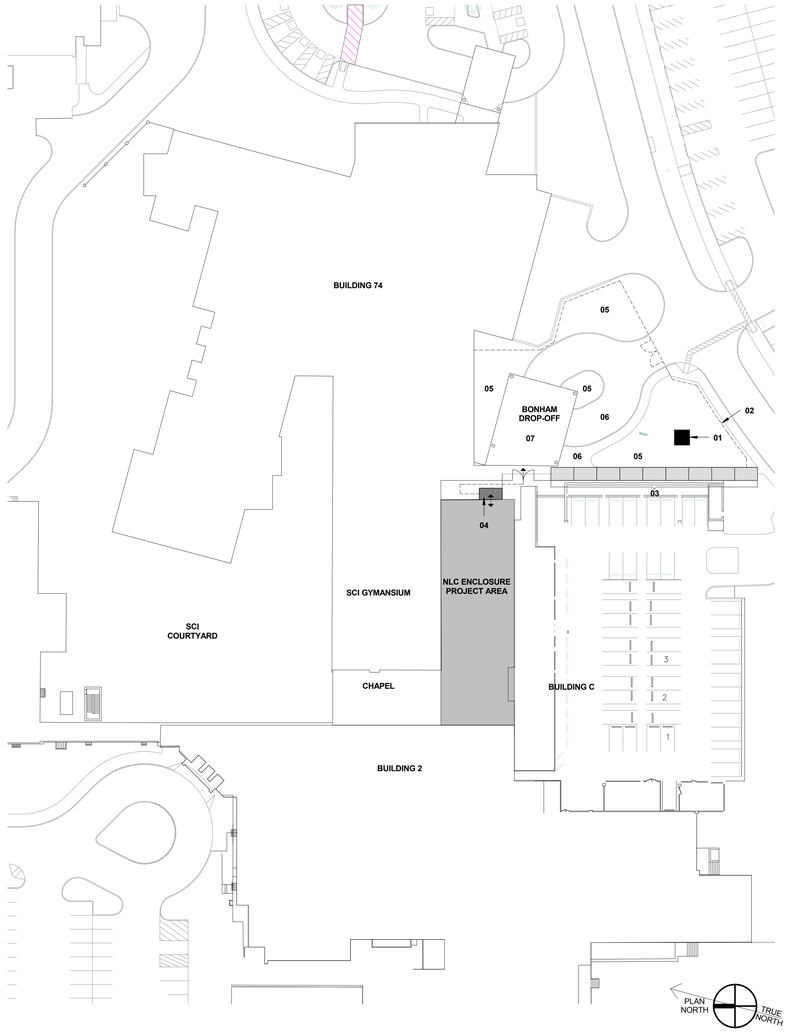
04- THE HATCHED IN AREA ON THE DRAWINGS INDICATES AN INTERIOR ZONE WITHIN THE VA HOSPITAL THAT IS ADJACENT TO THE PROJECT AREA. IT IS AT THE RAISED STAGE END OF THE PROJECT AREA. THE GENERAL CONTRACTOR IS TO USE THIS AS THE CONSTRUCTION ENTRANCE.

05- INDICATES EXISTING GRASS AREAS THAT WILL HAVE TO BE RESODDED WITH GRASS TO MATCH THE EXISTING. DAMAGED WATER IRRIGATION LINES SHALL BE REPAIRED.

06- INDICATES EXISTING CURBS/ PAVEMENT/ SIDEWALKS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS/ REPLACEMENT OF DAMAGED CURBS/ PAVEMENT/ SIDEWALKS.

07- INDICATES EXISTING PORTE-COCHERE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGES THAT MAY OCCUR DURING CONSTRUCTION.

D4 CONSTRUCTION STAGING NOTES



D6 CONSTRUCTION STAGING SITE PLAN
1" = 40'-0"

VA DALLAS - NLC ENCLOSURE

4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

ISSUED FOR CONSTRUCTION

SM ARCHITECTS

207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972.285.2630 F. 972.285.4922
WWW.SMARCHITECTSPLLC.COM

REGISTERED ARCHITECT
RODER LYNN STEVENS
STATE OF TEXAS
05/04/2016

PROJECT NUMBER:

CLIENT: **549-09-708**
SMA: **12049.00**

ISSUE DATE:
05/04/2016

CONTRACTOR RESPONSIBILITIES WITH REGARD TO EXISTING CONDITIONS NOTES

1. THE CONTRACTOR SHALL PERFORM A SITE VISIT. IN DOING SO THE CONTRACTOR HAS AGREED THAT THEY HAVE INVESTIGATED THE EXISTING CONDITIONS TO BE RENOVATED AND COMPARE THEM TO THE WORK TO BE PERFORMED ACCORDING TO THE CONTRACT DOCUMENTS.
2. INFORMATION CONTAINED ON THESE DRAWINGS WITH REGARD TO EXISTING CONDITIONS OF CONSTRUCTION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR IN EXECUTING THE NEW WORK. EVERY ATTEMPT HAS BEEN MADE TO PROVIDE COMPLETE AND ACCURATE REPRESENTATION OF SUCH EXISTING CONDITIONS. THIS INTERPRETATION HAS BEEN DERIVED FROM DRAWINGS SUPPLIED BY THE OWNER AND HAS BEEN FURTHER SUPPLEMENTED WITH FIELD-MEASUREMENTS AND OBSERVATIONS. THE INFORMATION CONTAINED IN THESE DRAWINGS, WITH REGARD TO THE EXISTING CONDITIONS OF CONSTRUCTION IN NO WAY RELEASES THE CONTRACTOR FROM THE RESPONSIBILITY OF VERIFYING COMPLETELY ALL FIELD CONDITIONS RELATING TO THE EXECUTION OF THE WORK, AS DESCRIBED IN THE CONTRACT DOCUMENTS.
3. NO GUARANTEE IS MADE AS TO THE GENERAL CONDITIONS OF THE EXISTING BUILDING, THE CONTRACTOR SHALL FIELD VERIFY AND DOCUMENT ALL EXISTING DIMENSIONS, ELEVATIONS, BENCHMARKS, MATERIALS, UTILITIES AND CONSTRUCTION TYPE THAT MAY AFFECT OR BE EFFECTED BY NEW WORK AND SHALL COORDINATE SUCH FIELD VERIFICATION WITH THE CONTRACT DOCUMENTS AND THE EXECUTION OF THE WORK. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES AND/OR CONFLICTS INVOLVING EXISTING CONDITIONS AND BRING THEM TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
4. THE CONTRACTOR SHALL FIELD-VERIFY THE EXISTING CONDITIONS AS THEY RELATE TO SPECIFIC PORTIONS OF THE WORK. VERIFICATION SHALL BE UNDERTAKEN IN ADVANCE TO ALLOW FOR THE TIMELY IDENTIFICATION OF EXISTING CONDITIONS THAT MAY AFFECT THE SCHEDULED INSTALLATION OF NEW WORK AS DESIGNED AND DETAILED, AND TO AVOID UNIQUE AND UNREASONABLE DELAYS TO THE PROJECT SHOULD SUCH CONDITIONS BE DISCOVERED. TIMELY IDENTIFICATION OF SUCH CONDITIONS SHALL PROVIDE FOR A MINIMUM PERIOD OF TEN (10) WORKING DAYS DURING WHICH TIME THE ARCHITECT WILL EVALUATE THE CONDITIONS AND MAKE RECOMMENDATIONS FOR ACCOMMODATING NEW WORK.
5. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND EXTENT OF THE LIFE SAFETY SYSTEM (INCLUDING BUT NOT LIMITED TO SPRINKLER SYSTEMS, SMOKE DETECTION SYSTEMS, EMERGENCY LIGHTING SYSTEMS) AS THEY MAY BE AFFECTED BY THE NEW WORK. THE CONTRACTOR IS RESPONSIBLE FOR ACCOMMODATING THESE SYSTEMS WHEN AFFECTED BY NEW WORK SO THAT ALL APPLICABLE CODES REQUIREMENTS ARE SATISFIED.
6. THE AREAS ADJACENT TO THE PROJECT ARE CURRENTLY OCCUPIED, AND MUST REMAIN COMPLETELY OPERATIONAL DURING THEIR BUSINESS HOURS THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ANY CONSTRUCTION ACTIVITIES WHICH MAY IMPEDE THEIR NORMAL OPERATIONS, INCLUDING ANY ACTIVITY WHICH CREATES EXCESSIVE NOISE, AND NOTIFY ANY OCCUPANTS OF THE BUILDING OF ANY CONSTRUCTION ACTIVITIES WHICH MAY AFFECT THEIR ABILITY TO OPERATE NORMALLY.
7. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO AREAS ADJACENT TO NEW CONSTRUCTION OR OCCUPIED AREAS WHERE VARIOUS SYSTEMS CONNECTIONS OR EXTENSIONS ARE REQUIRED AND SHALL BE RESPONSIBLE FOR DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES.
8. THE CONTRACTOR SHALL IDENTIFY POINTS OF ACCESS TO THE BUILDING AND VERIFY MINIMUM CLEARANCES AVAILABLE FOR USE IN TRANSPORTING NECESSARY CONSTRUCTION MACHINERY, EQUIPMENT, MATERIALS, AND COMPONENTS INTO THE BUILDING. USE OF SUCH POINTS OF ACCESS SHALL BE APPROVED BY THE VA C.O.R.
9. THE CONTRACTOR SHALL IDENTIFY EXISTING COMPONENTS AND ASSEMBLIES WITHIN THE BUILDING THAT ARE CONSTRUCTED AS FIRE-RATED ASSEMBLIES; SHALL NOTE ANY DISCREPANCIES AND/OR CONFLICTS INVOLVING EXISTING CONDITIONS AND BRING THEM TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
10. THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN THE BUILDING IN A WEATHER TIGHT CONDITION.
11. THE CONTRACTOR SHALL PROTECT ALL EXISTING AND NEW UTILITY LINES ON OR ADJACENT TO THE SITE AND NOTIFY ALL UTILITY COMPANIES WHEN WORK IS BEING CARRIED OUT NEAR THEIR LINES.
12. THE CONTRACT LIMIT OF WORK SHOWN ON DRAWINGS IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. ACTUAL CONTRACT LIMITS ARE TO BE DETERMINED BY THE CONTRACTOR, THE CONTRACTOR IS RESPONSIBLE FOR ENSURING PROPER INTERFACE BETWEEN EXISTING AND NEW WORK.

B1 CONTRACTOR RESPONSIBILITIES TO EXISTING CONDITIONS NOTES

DEMOLITION GENERAL NOTES

1. THE "LIMITS OF CONSTRUCTION" LINES SHOWN ON THE ARCHITECT'S DEMOLITION PLANS APPLY ONLY TO THE LIMITS OF THE ARCHITECTURAL DEMOLITION. SEE THE OTHER DISCIPLINES' DRAWINGS FOR THE LIMITS OF DEMOLITION FOR THEIR DISCIPLINE.
2. THE DEMOLITION DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS WHICH WERE PROVIDED TO THE ARCHITECT/ENGINEER BY THE VA AND THEY MAY NOT REFLECT ACTUAL FIELD CONDITIONS. PRIOR TO PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THESE DRAWINGS IN COMPARISON TO EXISTING FIELD CONDITIONS AND THEN IMMEDIATELY NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS.
3. DEMOLITION IS INTENDED TO PREPARE THE BUILDING TO RECEIVE THE NEW WORK. THE INFORMATION PROVIDED IN NO WAY INTENDS TO MEAN THAT DEMOLITION IS LIMITED ONLY TO THOSE ITEMS SPECIFICALLY IDENTIFIED. THE CONTRACTOR SHALL REMOVE ALL EXISTING ITEMS OF CONSTRUCTION AND EQUIPMENT WITHIN THE PROJECT AREA INDICATED ON THE DEMOLITION PLAN, INCLUDING, BUT NOT LIMITED TO FLOOR MATERIAL, BASE, WALLS, CEILINGS, DOORS, DOOR FRAMES, WINDOWS, WINDOW FRAMES, CASEWORK, ATTACHMENTS, ELECTRICAL, MECHANICAL, PLUMBING FIXTURES AND SYSTEM, AS REQUIRED TO ALLOW FOR THE EXECUTION OF NEW WORK.
4. AFTER DEMOLITION WORK IS COMPLETE, REPAIR ALL HOLES IN EXISTING-TO-REMAIN FLOORS, WALLS, FIRE BARRIERS, AND ROOFS TO COMPLY WITH ORIGINAL FIRE/SMOKE/SOUND ASSEMBLIES, FIRE PROTECTION REQUIREMENTS, AND STRUCTURAL INTEGRITY.
5. THE VA SHALL REMOVE ALL NON-BUILT-IN EXISTING MEDICAL EQUIPMENT STORAGE UNITS AND FURNITURE. THE CONTRACTOR SHALL REMOVE SUPPORTS, TRACKS, BUILT-IN ITEMS (STORAGE CABINETS, CASEWORK, ETC.), ALONG WITH THE NORMAL DEMOLITION WORK. THE CONTRACTOR SHALL REMOVE AND TURN OVER TO VA FOR STORAGE ANY ANCILLARY PIECES SUCH AS (BUT NOT LIMITED TO) MOUNTING BRACKETS, HARDWARE, MISC. SUPPORT ITEMS, ETC. REQUIRED FOR THE REINSTALLATION OF EQUIPMENT; CONTRACTOR TO SEE EQUIPMENT BOOK FOR INFORMATION ON PLACEMENT AND INSTALLATION OF EXISTING AND NEW EQUIPMENT.
6. THE CONTRACTOR SHALL REMOVE ALL ITEMS TO BE DEMOLISHED IN THEIR ENTIRETY INCLUDING ALL ASSOCIATED PIPING, WIRING, HANGERS, SUPPORTS, PROJECTIONS, BOLTS, NAILS, ETC. FROM EXISTING SURFACES, AND PATCH ALL HOLES TO MATCH ADJACENT SURFACES OR PROVIDE NEW SCHEDULED FINISHES.
7. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY DEMOLITION OR NEW CONSTRUCTION WORK CANNOT BE PERFORMED DUE TO EXISTING FIELD CONDITIONS.
8. THE CONTRACTOR SHALL BRING TO THE ARCHITECT'S ATTENTION FOR A DECISION ALL STRUCTURAL INTERFERENCE THAT WOULD AFFECT THE EXECUTION OF THE NEW WORK. NO FLOOR OR STRUCTURAL MEMBER SHALL BE CUT WITHOUT PERMISSION OF REGISTERED STRUCTURAL ENGINEER. ALL PROPOSED SLEEVE/ CORING SHALL BE REVIEWED BY THE ARCHITECT.
9. WHERE NEW FLOORING IS INDICATED, THE CONTRACTOR SHALL REMOVE ALL EXISTING FLOOR FINISHES AND ADHESIVE DOWN TO THE CONCRETE SLAB, AND LEAVE FLOOR SMOOTH FOR NEW FINISH. THE CONTRACTOR SHALL OBSERVE MANUFACTURERS REQUIREMENTS FOR SUB-FLOOR PREPARATION. TREATMENT OF EXISTING FLOOR FINISHES WITHIN AREAS OF DEMOLITION SHALL BE AS FOLLOWS:
   A. CARPET: REMOVE ENTIRELY, INCLUDING PADDING. REMOVE REMAINING GLUE RESIDUE AND PATCH AS NECESSARY FOR NEW FLOOR FINISH
   B. VINYL: REMOVE ENTIRELY AFTER MATERIAL HAS BEEN TESTED FOR ASBESTOS. REMOVE GLUE OR GROUT RESIDUE. PATCH AS NECESSARY TO PROVIDE LEVEL SURFACE.
   C. CERAMIC TILE: REMOVE ENTIRELY. PATCH AND REPAIR FLOORS WITH A LATEX LEVELING COMPOUND TO PRODUCE A SMOOTH, LEVEL SURFACE TO RECEIVE NEW FINISHES.
10. THE CONTRACTOR SHALL REMOVE EXISTING FINISHES, INCLUDING CERAMIC TILE, VINYL WALL COVERING, WALL PROTECTION, WALL BASE ETC. AT ALL EXISTING WALLS TO RECEIVE NEW FINISHES, UNLESS NOTED OTHERWISE, AND LEAVE WALL SURFACE SMOOTH TO RECEIVE NEW FINISHES.
11. THE CONTRACTOR SHALL REMOVE ALL EXISTING CEILINGS TO ALLOW FOR PROPER INSTALLATION OF MECHANICAL, PLUMBING AND ELECTRICAL WORK, AND PATCH AND REPAIR EXISTING CEILINGS TO MATCH EXISTING.
12. WHERE NEW CEILINGS ARE INDICATED, THE CONTRACTOR SHALL REMOVE ALL EXISTING CEILINGS TO ALLOW FOR PROPER INSTALLATION OF NEW CEILINGS.
13. THE CONTRACTOR SHALL REFER TO CIVIL, MECHANICAL, PLUMBING, FIRE PROTECTION, COMMUNICATIONS, SECURITY SYSTEMS, AND ELECTRICAL DOCUMENTS FOR REQUIRED DEMOLITION WORK AS WELL AS EXISTING PIPING, CONDUITS, DUCTWORK, UTILITIES, ETC. TO REMAIN WITHIN AREAS OF DEMOLITION
14. THE CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH PHASING PLANS TO DETERMINE THE SCOPE OF WORK TO BE PERFORMED IN EACH PHASE AND TO CAREFULLY INTEGRATE WITH EXISTING CONSTRUCTION TO REMAIN FOR EACH PHASE AND UPON COMPLETION OF FINAL PHASE WITH MINIMAL DISRUPTION OF BUILDING OPERATIONS.
15. THE CONTRACTOR SHALL REFER TO MECHANICAL, PLUMBING FIRE PROTECTION, ELECTRICAL, COMMUNICATIONS, AND SECURITY DRAWINGS FOR EXTENT AND LOCATION OF THE CHANNELING OF EXISTING FLOORS. IF EXISTING PIPING OR CONDUIT OTHER THAN THE DESIRED CONNECTION IS ENCOUNTERED WHILE CHANNELING, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY PRIOR TO CONTINUING WITH ANY WORK.
16. DEMOLITION WORK SHALL BE EXECUTED IN CONFORMANCE WITH ALL CODES AND ORDINANCES AS SET FORTH BY ALL AUTHORITIES HAVING JURISDICTION
17. THE CONTRACTOR SHALL BRACE ALL EXISTING STRUCTURES AND STRUCTURAL ELEMENTS AS NECESSARY DURING DEMOLITION. THE CONTRACTOR SHALL ENGAGE A STRUCTURAL ENGINEER TO DETERMINE REQUIREMENTS.

D1 DEMOLITION GENERAL NOTES

CUTTING AND PATCHING GENERAL NOTES

1. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY EXISTING-TO-REMAIN MATERIALS AND FINISHES (CEILING GRID, CEILING TILE, GYPSUM BOARD, DOORS, WINDOWS, FRAMES, WALL PROTECTION, PAINT, ETC) WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION OR ANY OTHER WORK PERFORMED UNDER THIS CONTRACT. THE CONTRACTOR SHALL PATCH, REPAIR, AND ALIGN ALL EXISTING CONSTRUCTION SO AS TO LEAVE NO EVIDENCE OF PATCHING OR REPAIR AND PREPARE EXISTING SURFACE TO RECEIVE NEW SCHEDULED FINISHES.
2. WHERE EXISTING DUCTS, PIPES AND ELECTRICAL CONDUITS ARE LEFT EXPOSED FROM DEMOLITION WORK IN FINISHED SPACES. THE CONTRACTOR SHALL ENCLOSE THEM WITH A GYPSUM WALLBOARD PARTITION THAT MAINTAINS THE EXISTING FIRE RATED ASSEMBLY.
3. WHERE EXISTING EXTERIOR WALL OR INTERIOR PARTITIONS ARE DAMAGED IN AREAS OF SELECTIVE DEMOLITION BY THE REMOVAL OF EXISTING CONSTRUCTION OR ANY OTHER DEMOLITION ACTION, THE CONTRACTOR SHALL REPAIR EXISTING WALL SURFACES TO MATCH EXISTING OR PRODUCE A SMOOTH SURFACE TO RECEIVE NEW FINISHES.
4. WHERE LEVEL CHANGES, HOLES, DEPRESSIONS, OR FORMED TRENCHES ARE UNCOVERED IN EXISTING CONCRETE SLAB BY THE REMOVAL OF EXISTING WALLS / EXISTING FLOORING OR ANY OTHER DEMOLITION ACTION, THE CONTRACTOR SHALL PATCH AND REPAIR EXISTING CONCRETE SURFACES WITH A LATEX OR GYPROCETE LEVELING COMPOUND UNLESS SPECIFIED OTHERWISE TO PRODUCE A SMOOTH LEVEL SURFACE TO RECEIVE NEW FINISHES.
5. WHERE PIPES, CONDUITS, DUCTWORK, ETC. ARE TO BE REMOVED FROM EXISTING RATED WALL / PARTITION TO REMAIN, THE CONTRACTOR SHALL INFILL THE OPENING PENETRATION WITH MATERIALS THAT MATCH THE EXISTING CONSTRUCTION OR AN APPROVED MATERIAL TO MAINTAIN THE EXISTING FIRE-RATED ASSEMBLY.
6. WHERE WALL AREAS ARE LEFT EXPOSED AS A RESULT OF AN ADJUSTMENT IN FINISH CEILING HEIGHT, THE CONTRACTOR SHALL REPAIR EXISTING WALL SURFACES TO MATCH EXISTING OR PRODUCES A SMOOTH SURFACE TO RECEIVE NEW FINISHES
7. WHERE PIPES, CONDUITS, DUCTWORK, ETC. ARE TO BE REMOVED FROM ANY FLOOR OR ROOF ASSEMBLY TO REMAIN THE CONTRACTOR SHALL INFILL THE OPENING WITH MATERIALS TO MAINTAIN DESIGNATED FIRE OR SMOKE RATING AS INDICATED BELOW:
   A: WHERE OPENINGS ARE ACCESSIBLE TO FOOT TRAFFIC, EXPOSED TO VIEW, OR ARE GREATER THAN 2" THE OPENING MUST BE FILLED WITH A CONCRETE SYSTEM SIMILAR TO EXISTING.
   B: AREAS NOT EXPOSED TO VIEW, OR GREATER THAN 6" THE OPENING MUST BE FILLED WITH A CONCRETE SYSTEM SIMILAR TO EXISTING.
   C: AREAS NOT EXPOSED TO VIEW CONCEALED BY CONSTRUCTION OR WHERE THE OPENING IS LESS THAN 6" THE OPENING MUST BE FILLED WITH A UL DESIGN SYSTEM AS SPECIFIED IN DIVISION 7 THROUGH PENETRATION RESISTIVE MATERIAL"
8. WHERE ROOFING MATERIALS ARE REMOVED FROM AN EXISTING ROOF DECK WHICH IS TO BECOME A FLOOR DECK AS PART OF SCOPE OF WORK. THE CONTRACTOR SHALL VERIFY THAT ALL PENETRATIONS THROUGH THE EXISTING DECK ARE BOTH PATCHED AND FIRESTOPPED PER A TESTED ASSEMBLY TO MAINTAIN BOTH THE FIRE RATING INTEGRITY AND THE STRUCTURAL INTEGRITY OF THE FLOOR DECK.
9. IF ANY EXISTING FIREPROOFING AND/OR RATED ASSEMBLIES TO REMAIN ARE DAMAGED DURING DEMOLITION, THEY SHALL BE REPLACED OR REPAIRED TO CONFORM TO THE ORIGINAL FIRE PROTECTION REQUIREMENTS. THE INTEGRITY OF EXISTING RATED FLOOR, WALL, BARRIER, AND ROOF ASSEMBLIES TO REMAIN SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION, AS APPLICABLE, CONTACT THE ARCHITECT TO VERIFY TESTED ASSEMBLIES TO BE USED FOR REPAIRS.

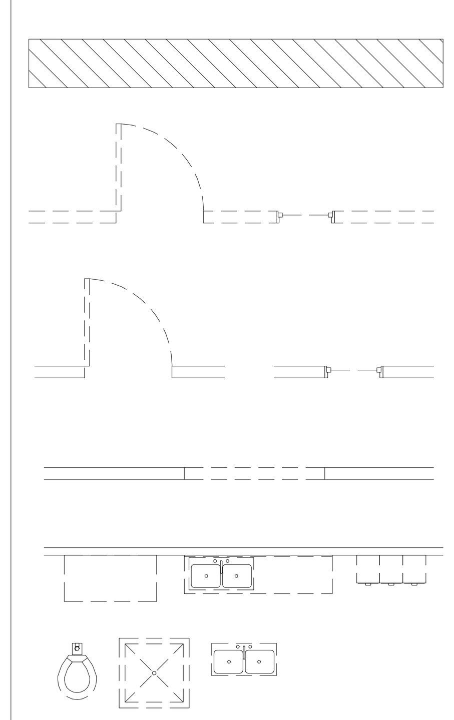
F1 CUTTING AND PATCHING GENERAL NOTES

PROJECT DATA AND BUILDING CODE INFORMATION

PROJECT DATA			
PROJECT NAME:	NLC ENCLOSURE		
PROJECT ADDRESS:	4500 SOUTH LANCASTER ROAD DALLAS, TX 75216		
OWNER:	THE DEPARTMENT OF VETERANS AFFAIRS - DALLAS		
APPLICABLE CODES			
BUILDING CODE:	2012 INTERNATIONAL BUILDING CODE		
ACCESSIBILITY CODE:	2012 TEXAS ACCESSIBILITY STANDARDS (TAS), INCLUDING TECHNICAL MEMORANDUMS		
EAB PROJECT NUMBER:	**N/A**		
MECHANICAL CODE:	2009 INTERNATIONAL MECHANICAL CODE		
ELECTRICAL CODE:	2008 NATIONAL ELECTRICAL CODE (NFPA 70)		
PLUMBING CODE:	2009 INTERNATIIONAL PLUMBING CODE		
NFPA:	2009 NFPA 101 LIFE SAFETY CODE		
FIRE CODE:	2006 INTERNATIONAL FIRE CODE WITH CITY OF DALLAS AMENDMENTS		
ACOUSTICAL DESIGN:	ASHRAE APPLICATIONS VOLUME, CHAPTER 42 / ANSI S1.8 / ASA 84		
ENERGY CODE:	2012 INTERNATIONAL ENERGY CONVERSATION CODE / 2010 ASHRAE 90.1 WATER EFFICIENCY STANDARDS FOR STATE BUILDING AND INSTITUTION OF HIGHER EDUCATION		
LIFE SAFETY INFORMATION			**COMMENTS**
OCCUPANCY:	B - BUSINESS		NFPA 101 / 6.1.5.1 IBC GROUP B 308
TYPE OF CONSTRUCTION:	MAIN BUILDING / EXISTING		IBC / TYPE II (222) 602.2
	INTERIOR / REMODELED		IB
SPRINKLER SYSTEM:	FULLY SPRINKLERED		WET
FIRE PROTECTION REQUIREMENTS			**COMMENTS**
INT. BEARING WALLS:			EXISTING
EXT.BEARING WALLS:			EXISTING
INT. NONBEARING WALLS:			EXISTING
EXT. NONBEARING WALLS:			EXISTING
ROOF:			EXISTING
CEILING:			EXISTING
FLOOR:			EXISTING
STRUCTURAL BEAMS:			EXISTING
STRUCTURAL COLUMNS:			EXISTING
RATED SEPARATIONS:			EXISTING
MEANS OF EGRESS	**MAXIMUM ALLOWED**	**MAXIMUM PROVIDED**	**COMMENTS**
TOTAL OCCUPANT LOAD:	EXISTING	EXISTING	X / 100
TRAVL DISTANCE TO EXIT:	200'-0"	EXISTING	REF. TO LIFE SAFETY PLAN
DIST. BETWEEN EXITS:	112'-0"	EXISTING	X/2 IF SPRINKLED
EGRESS WIDTH / OCCUPANT	**MINIMUM ALLOWED**	**PROVIDED**	**COMMENTS**
0.2" STAIRS:	EXISTING	EXISTING	
0.15" DOORS:	EXISTING	EXISTING	

D4 PROJECT DATA AND CODE INFO

DEMOLITION LEGEND



EXTENTS OF WHICH THE CONTRACTOR SHALL REMOVE ALL INTERIOR NON STRUCTURAL CONSTRUCTION AND PREPARE FOR NEW WORK.

REMOVE EXISTING WALL CONSTRUCTION, SHOWN WITH DASHED LINES, IN ITS ENTIRETY FROM FLOOR TO STRUCTURE ABOVE INCLUDING DOORS, DOOR FRAMES, BORROWED LIGHTS, BASE, ASSOCIATED ELEC. / MECH. WORK, ETC. PREPARE AREA FOR NEW CONSTRUCTION.

REMOVE EXISTING DOOR OR BORROWED LIGHT HOLLOW METAL FRAME ASSEMBLY, SHOWN WITH DASHED LINES. CLOSE EXISTING OPENING WITH METAL STUDS AT 16" O.C. WITH GYPSUM BOARD ON EACH SIDE. ALIGN NEW WORK FLUSH WITH EXISTING ADJACENT PARTITION. MATCH EXISTING WALL THICKNESS, UNLESS NOTED OTHERWISE IN ARCHITECTURAL PLAN.

PROVIDE OPENING IN EXISTING PARTITION, SHOWN WITH DASHED LINES, AS REQUIRED TO INSTALL NEW HOLLOW METAL DOOR FRAME OR BORROWED LIGHT OF THE TYPE AND STYLE INDICATED ON THE DOOR OR BORROWED LIGHT SCHEDULE

REMOVE EXISTING CASEWORK, COUNTERS, SHELVING, EQUIPMENT, AND SUPPORTS, SHOWN WITH DASHED LINES.

REMOVE EXISTING PLUMBING FIXTURES, SHOWN WITH DASHED LINES. EXISTING PIPING SHALL BE CAPPED AS INDICATED ON THE PLUMBING DRAWINGS. ANY FLOOR PENETRATIONS DUE TO THE REMOVAL OF PIPING ARE TO BE FILLED AS NOTED IN THE CUTTING AND PATCHING GENERAL NOTES.

F4 DEMOLITION LEGEND

GENERAL PROJECT NOTES

1. **PRICING:** WHEN DURING THE PRICING PROCESS THERE IS A DISCREPANCY FOUND IN THE CONSTRUCTION DRAWINGS, THE GENERAL CONTRACTOR SHALL ISSUE A REQUEST FOR INFORMATION (RFI) TO THE ARCHITECT FOR CLARIFICATION.
2. **STANDARD REFERENCED DESIGN SHEETS:** THE FOLLOWING SHEETS CONTAIN STANDARD ARCHITECTURAL DESIGN INFORMATION:

   NA
3. **WINDOW AND DOOR OPENINGS:** WILL BE SCHEDULED AS FOLLOWS: WINDOW OPENINGS WILL CONTAIN THE ROOM NUMBER FOLLOWED BY A LETTER. EXAMPLE: ROOM NUMBER 1001 WITH WINDOW OPENING NUMBER 1001A. DOOR OPENINGS WILL CONTAIN THE ROOM NUMBER FOLLOWED BY A DOT AND NUMBER. EXAMPLE: ROOM NUMBER 1001 WITH DOOR OPENING NUMBER 1001.1.
4. **ABBREVIATIONS:** REFERENCED FROM THE U.S. NATIONAL CAD STANDARD VERSION 6.0.
5. **BLOCKING:** THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING BLOCKING IN THE WALLS FOR ALL WALL MOUNTED FIXTURES AND EQUIPMENT.
6. **CONSTRUCTION:** CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF NFPA 101 AND THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. IF THERE IS NO APPLICABLE LOCAL CODE(S), ONE OF THE RECOGNIZED MODEL BUILDING CODES SHALL BE APPLIED.
7. **DESIGN STANDARDS:** EACH BUILDING OR PORTION THEREOF SHALL BE DESIGNED AND CONSTRUCTED TO SUSTAIN ALL LIVE AND DEAD LOADS, INCLUDING SEISMIC AND OTHER ENVIRONMENTAL FORCES IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND STANDARDS AS PRESCRIBED BY THE LOCAL JURISDICTION OR BY ONE OF THE MODEL BUILDING CODES.
8. **DIMENSIONS:** ARE TYPICALLY SHOWN FROM A COLUMN CENTER LINE TO THE FINISH FACE OF A WALL OR FROM THE FINISH FACE OF A WALL TO THE FINISH FACE OF WALL.
9. **DO NOT SCALE THE DRAWINGS:** USE FIGURED DIMENSIONS ONLY.
10. **ENLARGED PLANS:** WHERE ENLARGED OR PARTIAL PLANS ARE REFERENCED, DIMENSIONS AND SPECIAL DETAILING OR FINISH REQUIREMENTS ARE NOTED ON THE ENLARGED PLANS AND ARE USUALLY OMITTED FROM THE SMALLER SCALE PLANS.
11. **EXISTING CONDITIONS:** ONLY THE AREAS DESCRIBED IN **F8/A-001** PROJECT SCOPE HAVE BEEN FIELD-VERIFIED. THIS MEANS THAT THE EXISTING PARTITION WALLS HAVE BEEN PARTIALLY LOCATED, MOST OF THE VISIBLE MECHANICAL, ELECTRICAL AND PLUMBING ITEMS HAVE BEEN LOCATED, AND MOST OF THE VISIBLE ARCHITECTURAL ELEMENTS LOCATED. AREAS THAT ARE CONCEALED OR NOT ACCESSIBLE HAVE NOT BEEN FIELD VERIFIED. THESE DOCUMENTS HAVE BEEN PREPARED WITHOUT VA PROVIDED AS-BUILT DOCUMENTS.
12. **FIELD VERIFY:** THE GENERAL CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH THE SCHEDULED WORK AS WELL AS COORDINATING THE EXISTING CONDITIONS WITH THE SCHEDULED WORK. WHEN THE GENERAL CONTRACTOR IDENTIFIES A POTENTIAL LOCATION PROBLEM WITH HVAC, PLUMBING, ELECTRICAL, OR SPRINKLER SYSTEMS HE IS TO NOTIFY THE DESIGN PROFESSIONAL BEFORE PROCEEDING WITH THE SCHEDULED WORK.
13. **FIRE ALARM:** ALL HEALTHCARE OCCUPANCIES SHALL BE PROVIDED WITH A FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72 AND NFPA 101. REFER TO SHEET **FP-1**.
14. **INTERIOR FINISHES:** INTERIOR FINISH MATERIALS SHALL COMPLY WITH THE FLAME SPREAD AND SMOKE PRODUCTION LIMITATIONS AS INDICATED IN NFPA 101.
15. **LIFE SAFETY SYSTEMS:** ALL SYSTEMS ARE TO REMAIN FULLY OPERATIONAL OVER THE COURSE OF THE CONSTRUCTION PROJECT. ALL FIRE SPRINKLERS IN LOCATIONS WITH THE CEILING BEING REMOVED ARE TO BE TURNED UP DURING CONSTRUCTION. ALL FIRE SPRINKLERS ARE TO BE RETURNED TO NORMAL FUNCTION AND ORIENTATION ONCE CONSTRUCTION IS COMPLETE, REFER TO F/101 FIRE PROTECTION DRAWINGS

C6 GENERAL PROJECT NOTES

INTERIOR PARTITION RATING LEGEND

UNRATED PARTITION ASSEMBLY	COMMENTS:
1 HOUR RATED PARTITION ASSEMBLY	COMMENTS:
1 HOUR SMOKE RATED PARTITION ASSEMBLY	COMMENTS: 02
2 HOUR RATED PARTITION ASSEMBLY	COMMENTS:
3 HOUR RATED PARTITION ASSEMBLY	COMMENTS:

COMMENTS TO INTERIOR PARTITION RATING LEGEND

01 - EXISTING PARTITION ASSEMBLY.

02 - THE SMOKE PARTITION IS NOT A 1 HOUR RATED ASSEMBLY.

03 - NEW PARTITION ASSEMBLY.

D6 INTERIOR PARTITION RATING LEGEND

ABBREVIATIONS AND ANNOTATIONS LEGEND

	TEMP. CONSTRUCTION PARTITION
	REVISION SYMBOL
	REVISION NUMBER
A1/A001	CABINET / CEILING SECTION
	SPOT ELEVATION - TARGET
EQ.000	EQUIPMENT TAG - REFER TO SHEET A-601
01	ROOM SIGNAGE TAG
?	WINDOW TAG
N.I.C.	NOT IN CONTRACT
?	INTERIOR ELEVATION
?	DOOR TAG
ROOM NAME 101 ROOM SF	ROOM TAG WITH AREA
? ?	CALLOUT HEAD
P1	PHOTO CALLOUT
	BUILDING SECTION
?	WALL TAG - REFER TO A-840 AND A-841

KEYNOTE LEGEND

	KEY VALUE	KEYNOTE TEXT	
SPECIFICATION SECTION →	00 00 00.A1	KEYNOTE INFORMATION ←	KEYNOTE INFORMATION

F6 ABBREVIATIONS AND ANNOTATIONS LEGEND

ARCHITECTURE	
A-000	COVER SHEET
A-001	INDEX AND GENERAL INFORMATION
A-002	LIFE SAFETY PLAN
A-003	SCOPING PLAN
A-100	DEMOLITION FLOOR PLAN
A-101	DEMOLITION PHOTOS
A-102	DEMOLITION PHOTOS
A-200	NEW FLOOR PLAN
A-300	NEW REFLECTED CEILING PLAN
A-400	NEW ROOF PLAN
A-600	SCHEDULES
A-700	EXTERIOR ELEVATIONS
A-800	BUILDING SECTIONS & DETAILS
A-801	BUILDING DETAILS AND MISC. DETAILS
A-840	PARTITION DETAILS

STRUCTURAL	
S-001	GENERAL NOTES & ABBREVIATIONS
S-102	TYPICAL SECTIONS and DETAILS
S-103	TYPICAL SECTIONS and DETAILS
S-201	FOUNDATION and ROOF FRAMING PLAN
S-301	ROOF TRUSS ELEVATION
S-401	FRAMING SECTIONS and DETAILS

PLUMBING	
P-001	PLUMBING SYMBOL LEGEND AND GENERAL NOTES
P-101	PLUMBING DEMO UNDERFLOOR PLAN
P-201	PLUMBING UNDERFLOOR PLAN
P-301	PLUMBING ROOF PLAN
P-501	PLUMBING SCHEDULES AND DETAILS

MECHANICAL	
M-001	MECHANICAL SYMBOL LEGEND
M-002	MECHANICAL GENERAL NOTES AND ABBREVIATIONS
M-201	MECHANICAL FLOOR PLAN
M-401	MECHANICAL CONTROLS
M-501	MECHANICAL SCHEDULES AND DETAILS

ELECTRICAL	
E-001	ELECTRICAL SYMBOL LEGEND
E-002	ELECTRICAL GENERAL NOTES
E-100	ELECTRICAL FLOOR PLAN - BASEMENT
E-101	ELECTRICAL FLOOR PLAN - FIRST LEVEL
E-102	ELECTRICAL HVAC POWER PLAN
E-103	ELECTRICAL LIGHTING AND FIRE ALARM PLAN
E-601	ELECTRICAL SCHEDULES, DETAILS AND RISER DIAGRAM

FIRE PROTECTION	
FP-1	FIRE SPRINKLER FINISH OUT PLAN

C8 INDEX OF SHEETS

PROJECT ALLOWANCES

01. GC TO PROVIDE $50,000.00 ALLOWANCE FOR UNKNOWN CONDITIONS AT EXISTING ADJACENT ROOF STRUCTURES ON ALL FOUR SIDES. THE EDGES OF THE EXISTING ROOFS, FOR THE MOST PART, ARE COVERED WITH PLASTIC TO HELP KEEP THE RAIN OUT. THESE ROOF EDGES HAVE BEEN LEFT IN VARIOUS STATES OF DEMOLITION AND HAVE BEEN EXPOSED FOR SEVERAL YEARS SO IT IS DIFFICULT TO DETERMINE WHAT WORK WILL BE REQUIRED TO GET THESE AREAS READY TO RECEIVE NEW THE CONSTRUCTION.

D8 PROJECT ALLOWANCES

PROJECT SCOPE

PROJECT SCOPE:

THE PROJECT IS LOCATED ON THE FIRST FLOOR OF BUILDING 2J ON THE CAMPUS OF THE VA NORTH TEXAS HEALTH CARE CENTER IN DALLAS, TEXAS. THIS PROJECT CONTAINS OPEN OFFICE SPACE FOR 85 EMPLOYEES WITH MODULAR FURNITURE. THE CONSTRUCTION CONSISTS OF DEMOLISHING THE EXISTING LEAD PAINTED STRUCTURAL STEEL. ENSURE TO CUT THE STEEL BEAMS, COLUMNS, JOINTS AT THE AREAS THAT HAVE ALREADY BEEN ABATED. ALL EXISTING WATER REMEDIATING MATERIALS SHALL BE REMOVED. THESE CONSIST OF PLASTIC SHEETING, TAPE, WOOD AND METAL NAILERS, METAL FLASHING, PEAL AND STICK FLASHING ALONG ALL FOUR OPEN SIDES OF THE SITE. ALL EXSITING DEBRIS SHALL BE REMOVED FROM THE ENTIRE SITE (INCLUDING IN THE OPEN AREAS SURROUNDING THE SITE. THE EXISTING CONCRETE SLAB SHALL BE PREPPED TO RECEIVE A NEW 2" TOPPING SLAB. THE NEW BUILDING IS BUILT WITH STRUCTURAL STUDS AND STRUCTURAL METAL TRUSSES. THE OUTSIDE SKIN OF THE BUILDING IS INSULATED METAL PANELS AND THE ROOF MEMBRANE IS A TPO SYSTEM. THE ADJACENT EXISTING ROOFS ON ALL FOUR SIDES SHALL BE REMOVED DOWN TO THEIR DECKS THREE TO FIVE FEET BACK FROM THE NEW BUILDING TO ALLOW FOR THOSE ROOFS TO BE TIED IN TO THE NEW WALLS WITH NEW ROOFING TO MATCH THE EXISTING, STAINLESS STEEL FLASHING AND EXTERIOR GRADE ROOF/WALL EXPANSION JOINTS. IN ADDITION, IN THE NORTHWEST CORNER, THE EXISTING ROOF DECK WILL NEED TO BE EXTENDED TO ACCOMODATE AN AREA THAT WAS PREVIOUSLY DEMOLISHED TOO FAR BACK. THE EXISTING ROOF EDGES IN THE NORTHWEST CORNER SHALL BE SUPPORTED BY NEW LOAD BEARING CMU WALLS. ALL INTERIOR FINISHES IN THE MAIN HOSPITAL CORRIDOR, THE SCI CORRIDOR AND THE CLINICAL SIDE WAITING ROOMS SHALL BE BY THE VA CONSTRUCTION GROUP. CONTRACTOR TO COORDINATE WITH THE VA CONSTRUCTION GROUP REGARDING REMOVAL OF THE TEMPORARY WALLS THAT ALREADY EXIST AROUND THE SITE.

TOTAL AFFECTED AREA = 6150 GSF (NEW BUILDING)

F8 PROJECT SCOPE

REVISION SCHEDULE

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REGISTERED ARCHITECT ROGER LYNN STEPHENS 13366 STATE OF TEXAS
05/04/2016

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DRAWING TITLE: **INDEX AND GENERAL INFORMATION**

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

DATE: 05/04/2016 | CHECKED: Checker | DRAWN: Author

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER: CLIENT: 549-09-708 SMA: 12049.00

BUILDING NUMBER: 4

VA DRAWING NUMBER: **A-001**

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR CONSTRUCTION

VA DALLAS - NLC ENCLOSURE

If this sheet is not 30" by 42", it is a reduced print; and thus, must be scaled accordingly.

F1 NEW LIFE SAFETY PLAN - 534- LEVEL 01
1/16" = 1'-0"

EGRESS TRAVEL DISTANCE

TRAVEL DISTANCE IS CALCULATED FROM "EXIT ROUTE COMMENCEMENT" ● TO EGRESS EXIT ➡

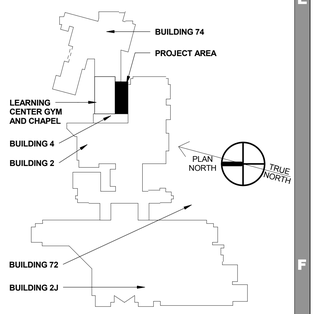
PATH	CALCULATION	TOTAL
A1 + B1	(A1=56'-10") + (B1=66'-4")	123'-2"
A1 + C1	(A1=56'-10") + (C1=204'-9")	261'-7"
A2 + B2 + B1	(A2=57'-3") + (B2=80'-10") + (B1=60'-10")	198'-11"
A2 + C2	(A2=57'-3") + (C2=285'-9")	343'-0"
A3 + B2 + B1	(A3=114'-1") + (B2=80'-10") + (B1=60'-10")	255'-9"
A3 + C2	(A3=114'-1") + (C2=285'-9")	399'-10"

B8 EGRESS TRAVEL DISTANCE

LIFE SAFETY SYMBOLS

- EXIT DIRECTION OF TRAVEL
- COMMON PATH OF TRAVEL
- EXIT ROUTE COMMENCEMENT
- FIRE EXTINGUISHER LOCATION
- EXIT LIGHTING
- HEAT DETECTOR
- SMOKE DETECTOR
- FIRE ALARM PULL
- EGRESS EXIT
- DIRECTION OF EGRESS
- WIDTH PROVIDED / WIDTH REQUIRED
- BUSINESS OCCUPANCY IN PROJECT SCOPE
- REMAINING FLOOR NOT IN SCOPE
- OCCUPANCY SEPARATION WALL

D8 LIFE SAFETY LEGEND



FULLY SPRINKLERED FACILITY

F8 KEYPLAN
N.T.S.

PROJECT NUMBER: 12049.00

ISSUED FOR CONSTRUCTION

VA DALLAS - NLC ENCLOSURE

REVISION SCHEDULE

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DRAWING TITLE:
LIFE SAFETY PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/04/2016	Checker	Author

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: 549-09-708 SMA: 12049.00

BUILDING NUMBER:
4

VA DRAWING NUMBER:

A-002

DWG ___ OF ___

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

If this sheet is not 30" by 42", it is a reduced print; and thus, must be scaled accordingly.

PROJECT NUMBER: 12049.00

A. THIS SHEET IS FOR SCOPING PURPOSES ONLY, GC SHALL REFER TO THE ENTIRE CONTRACT DOCUMENTS PACKAGE FOR CONSTRUCTION DESIGN INFORMATION.

B. **N.I.C.** IS DEFINED AS NOT IN CONTRACT AND SHALL NOT BE INCLUDED IN THE SCOPE OF WORK. ALL WORK IN **N.I.C.** SHADED AREA IS TO BE EXECUTED BY VA IN-HOUSE CONSTRUCTION.

C. **BID SCOPE** IS THE PROJECT FOOTPRINT CONSTRUCTION LIMITS. HOWEVER, ANY EXISTING ELEMENTS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE COORDINATED WITH VA ENGINEERING AND REPAIRED OR REPLACED TO A STATE OF COMPARABLE OR BETTER.

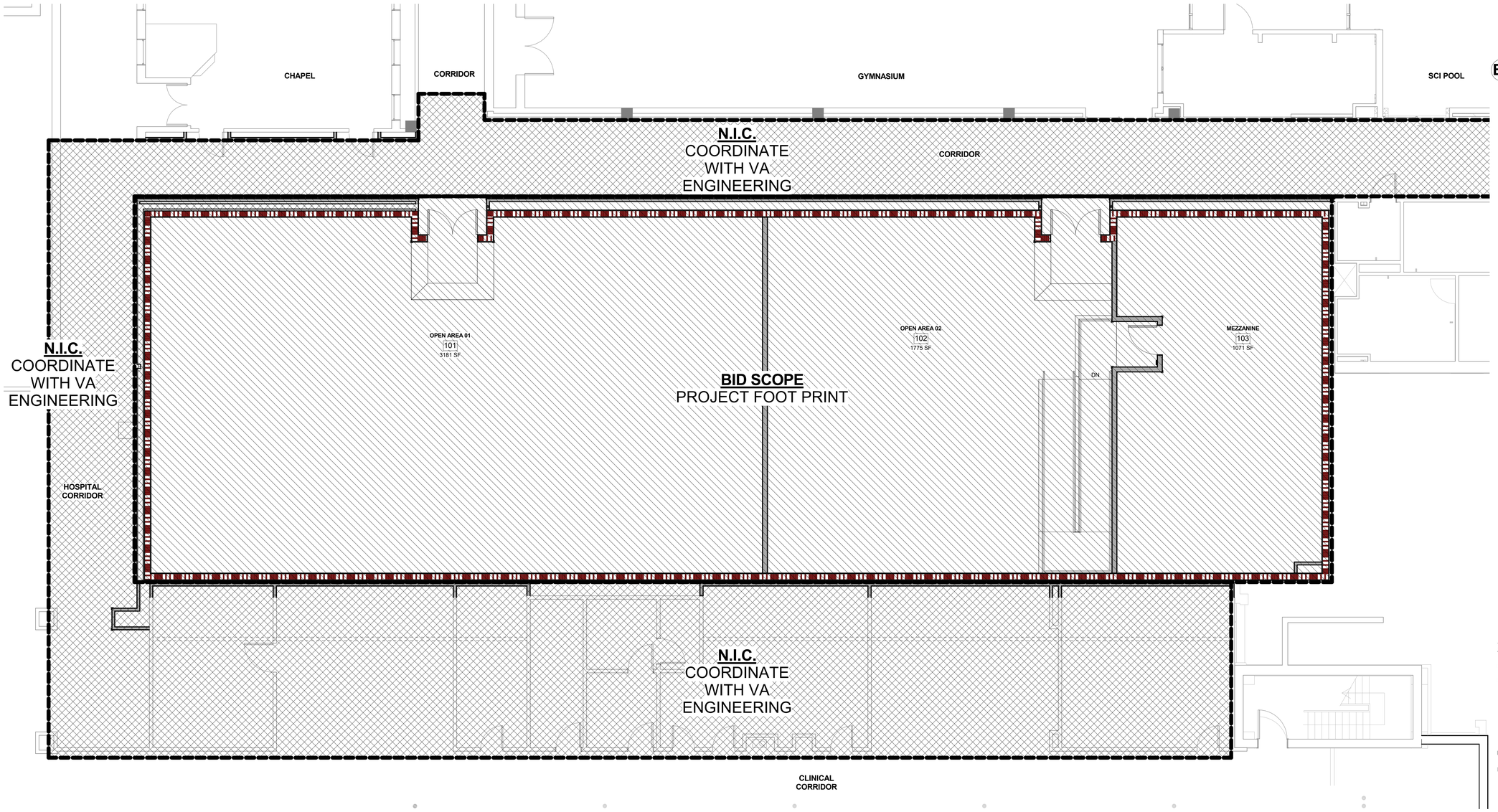
D. GC SHALL COORDINATE THE **BID SCOPE** / **NIC SCOPE** WITH VA ENGINEERING WHERE THE TWO SCOPES MEET PRIOR TO PERFORMING ANY WORK IN THE AFFECTED AREA.

A8 GENERAL NOTES TO SHEET A-003

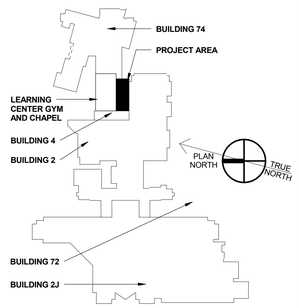
N.I.C. DEFINED SCOPE IS BASED ON BUT NOT LIMITED TO THE FOLLOWING FINISH-OUT ITEMS:

1. DEMOLITION AND PREPERATION FOR NEW WORK/MATERIALS, REF A-100 FOR MORE INFORMATION.
2. FLOORING
3. NEW PARTITION CONSTRUCTION
4. COVE BASE
5. CHAIR RAIL
6. CORNER GUARDS
7. WALL FINISH (PAINT, VWC, ETC.)
8. CEILING (HARD GYPSUM FURRDOWNS / ACCOUSTICAL CLG TILES).
9. NEW CEILING MOUNTED FIXTURES WHERE APPLICABLE.

B8 N.I.C. SCOPE



F1 NEW LIFE SAFETY PLAN - 534- LEVEL 01
3/16" = 1'-0"



FULLY SPRINKLERED FACILITY

F8 KEYPLAN
N.T.S.

ISSUED FOR CONSTRUCTION

REVISION SCHEDULE

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DESCRIPTION:

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05/04/2016

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DRAWING TITLE: **SCOPING PLAN**

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

DATE: 05/04/2016 | CHECKED: Checker | DRAWN: Author

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER: CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER: 4

VA DRAWING NUMBER: **A-003**

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

VA DALLAS - NLC ENCLOSURE

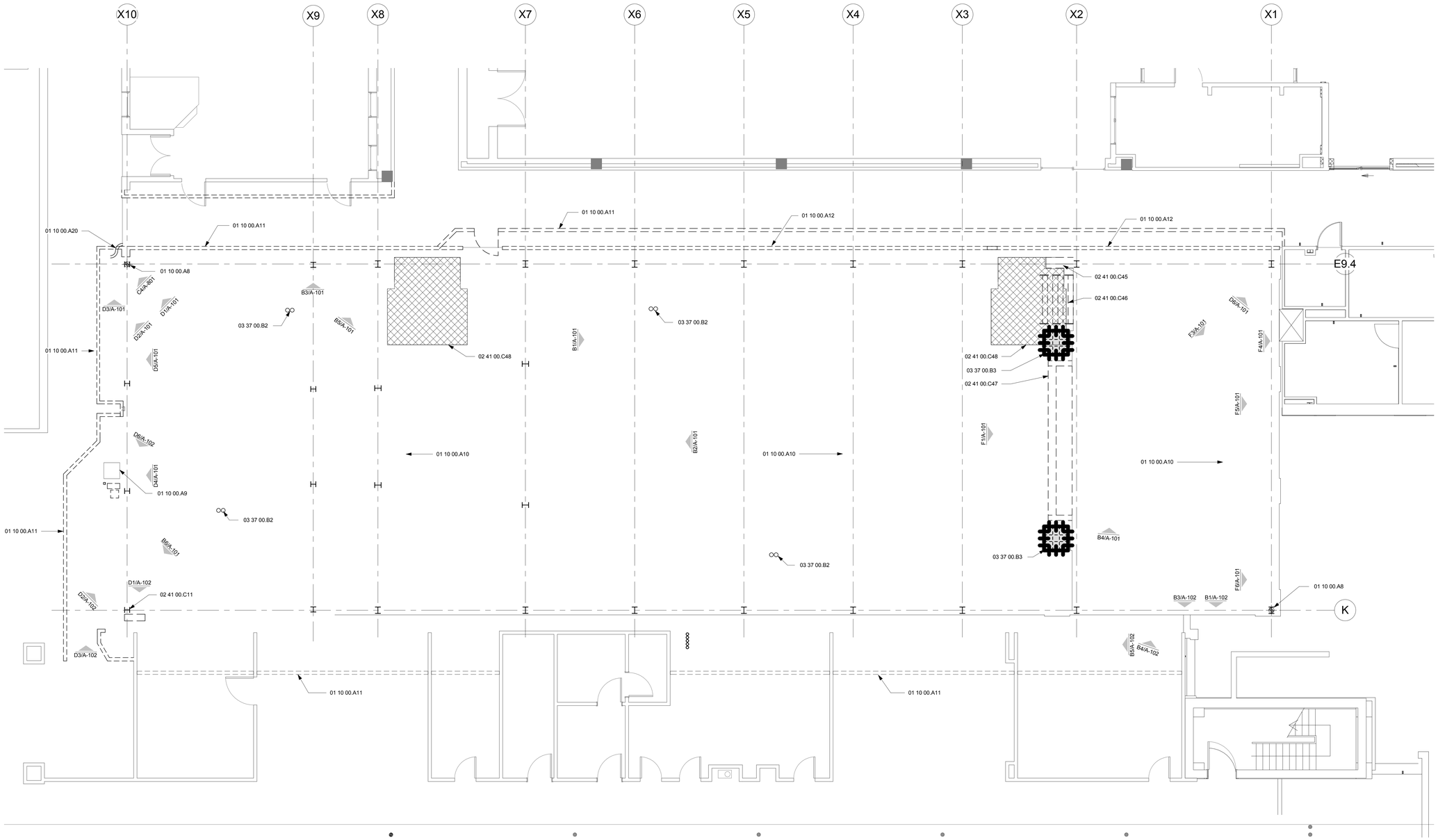
If this sheet is not 30" by 42", it is a reduced print; and thus, must be scaled accordingly.

A. GC TO VERIFY THE CENTERPOINT OF EXISTING COLUMNS AT THE DESIGNATED STATION POINT PLAN NORTHWEST AND SOUTHEAST PRIOR TO DEMOLITION OF SAID COLUMNS. PLEASE NOTE THAT ALL OF THE DIMENSIONS ON THIS PLAN ARE BASED ON THESE STATION POINTS.

B. REFER TO A-001 FOR EXISTING CONDITION AND DEMOLITION NOTES

C. REFER TO A-003 FOR LIMITS OF CONSTRUCTION

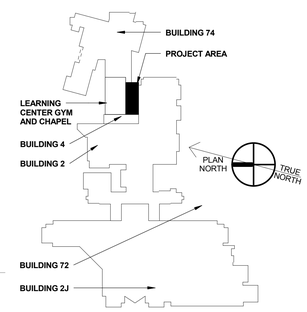
A8 GENERAL NOTES TO SHEET A-100



KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
01 10 00.A8	STATION POINT FOR DIMENSIONAL CONTROL BASED ON CENTERPOINT OF EXISTING COLUMN
01 10 00.A9	EXISTING OVERHEAD ELECTRICAL PULL BOX. PULL BOX WIDTH SHALL BE MODIFIED TO ALLOW THE NEW WALLS TO RUN VERTICALLY PAST THE BOX
01 10 00.A10	CLEAN UP AND PREP ENTIRE SLAB TO RECEIVE 2" TOPPING SLAB. REMOVE ALL LOOSE MATERIAL AND OLD FINISHES
01 10 00.A11	EXISTING TEMPORARY PARTITION WALLS SHALL BE MODIFIED TO BE 2 HR. COMPLIANT THROUGHOUT CONSTRUCTION PHASE. THIS TO BE ACHIEVED BY ADDING ONE LAYER OF 5/8" TYPE 'X' GYP. BD. TO THE INSIDE FACE AND 2 LAYERS OF 5/8" TYPE 'X' TO THE OUSIDE FACE. ONCE NEW CONSTRUCTION IS SUBSTANTIALLY COMPLETE THE TEMPORARY WALLS ARE TO BE REMOVED BY CONTRACTOR. COORDINATE REMOVAL WITH VA CONSTRUCTION DEPT AS THEY WILL BE INSTALLING NEW FINISHES IN THE HOSPITAL CORRIDOR, THE SCI CORRIDOR AND THE CLINICAL WAITING ROOMS
01 10 00.A12	EXISTING SHAFT WALL TO BE REMOVED
01 10 00.A20	ROOF DRAIN TO REMAIN. VERIFY WHERE THIS DRAIN LINE TURNS DOWN AT THIS CORNER. NEW WALLS WILL HAVE TO WORK AROUND THIS DRAIN LINE.
02 41 00.C11	STEEL FRAMING TO BE REMOVED
02 41 00.C45	CONCRETE STEM WALL TO BE REMOVED
02 41 00.C46	TEMPORARY WOODEN STAIRS/HANDRAILS TO BE REMOVED
02 41 00.C47	SLOPED LOW CONCRETE WALLS IN FRONT OF STAGE TO BE REMOVED BACK TO STAGE FRONT
02 41 00.C48	AT AREA SHOWN HATCHED, CHIP EXISTING SLAB DOWN 1" AND APPLY ARDEX TO PROVIDE A SMOOTH SURFACE FOR NEW FLOORING AT ELEVATION 534.00
03 37 00.B2	FILL ALL HOLES IN CONCRETE SLAB WITH NONSHRINK GROUT. SLAB SHALL BE REPAIRED TO ACHIEVE A 2 HR. RATING.
03 37 00.B3	CUT-OUT IN SLAB TO BE FILLED IN. PROVIDE THREE #5 12" DOWELS EACH SIDE. DRILL AND EPOXY DOWELS 6" INTO EXISTING SLAB. PROVIDE #3 REBAR AT 11" O.C. EACH WAY

D8 KEYNOTES TO SHEET



FULLY SPRINKLERED FACILITY

F8 KEYPLAN

F1 DEMOLITION - LEVEL 01
3/16" = 1'-0"

REVISION SCHEDULE

No.	DESCRIPTION	DATE

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REGISTERED ARCHITECT ROGER LYNN STEPHENS 13365 STATE OF TEXAS
05/04/2016

PROJECT DIRECTORY:

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DRAWING TITLE:
DEMOLITION FLOOR PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/04/2016	Checker	Author

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER:
4

VA DRAWING NUMBER:

A-100

DWG ___ OF ___

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR CONSTRUCTION

VA DALLAS - NLC ENCLOSURE

If this sheet is not 30" by 42", it is a reduced print; and thus, must be scaled accordingly.

REMOVE ALL EXISTING STEEL STRUCTURE BY CUTTING AT ABATED AREAS. THE EXISTING PAINT ON THE BEAMS AND COLUMNS IS LEAD PAINT SO ONLY CUT AT ABATED AREAS.

B1 DEMOLITION PHOTO

REMOVE ALL EXISTING STEEL STRUCTURE BY CUTTING AT ABATED AREAS. THE EXISTING PAINT ON THE BEAMS AND COLUMNS IS LEAD PAINT SO ONLY CUT AT ABATED AREAS.

B2 DEMOLITION PHOTO

ABATED AREA OF STRUCTURAL BEAM

ADJACENT ROOF TO REMAIN

RELOCATE TEMPORARY SHORING TO OTHER SIDE OF PROPOSED CUT LOCATION TO SUPPORT ADJACENT ROOF TO REMAIN

B3 DEMOLITION PHOTO

ALL BEAM CLAMPS AND RIGGING PULLEYS ARE TO BE SALVAGED. TURN OVER TO VA.

B4 DEMOLITION PHOTO

REMOVE ALL TEMPORARY WATER PROTECTION MATERIALS

REMOVE ALL STEEL BEAMS AND COLUMNS. CUT AT ABATED AREAS

REMOVE ALL UNUSED PLUMBING LINES BACK TO SOURCE.

B5 DEMOLITION PHOTO

REMOVE ABANDONED ROOFTOP EQUIPMENT

REMOVE ALL ABATED STRUCTURAL STEEL

REMOVE ALL TEMPORARY WATER PROTECTION MATERIALS (IE: PLASTIC, TAPE, METAL & WOOD NAILERS

B6 DEMOLITION PHOTO

REMOVE ALL EXISTING STEEL STRUCTURE BY CUTTING AT ABATED AREAS. THE EXISTING PAINT ON THE BEAMS AND COLUMNS IS LEAD PAINT SO ONLY CUT AT ABATED AREAS.

REMOVE CLAY BLOCK AND PLASTER WALL. ENSURE TO PROVIDE TEMPORARY SHORING TO SUPPORT EXISTING BEAM TO REMAIN.

REMOVE ALL TEMPORARY WATER PROTECTION MATERIALS.

D1 DEMOLITION PHOTO

ROOF EDGE ANGLE TO REMAIN. NEW STRUCTURAL SUPPORT SHALL BE PROVIDED AT THIS ROOF EDGE.

REMOVE REMAINING HORIZONTAL CONCRETE BEAM

EXISTING ROOF DRAIN TO REMAIN

EXISTING ELECTRICAL CONDUIT TO REMAIN

CORRIDOR FINISHES TO BE REPLACED BY VA. TEMPORARY WALL TO BE REMOVED BY CONTRACTOR. COORDINATE WITH VA.

D2 DEMOLITION PHOTO

D3 DEMOLITION PHOTO

SIDE OF EXISTING ELECTRICAL BOX SHALL BE MODIFIED TO ACCOMODATE NEW CONSTRUCTION NEXT TO IT. EXISTING ELECTRICAL FEEDS SHALL NOT BE DISTURBED.

D4 PHOTO AT EXISTING ELECTRICAL BOX

EXISTING ROOFING SHALL BE REMOVED 5'-0" BACK FROM THIS EDGE. TIE NEW ROOFING INTO THE OLD AND PROVIDE NEW ROOF/WALL EJ AT THE NEW CONSTRUCTION.

REMOVE EXISTING STEEL POLE AND STEEL COLUMN AT ABATED AREA.

REMOVE TIE DOWELS THAT OCCUR ALONG THIS EDGE.

VERIFY WHAT THESE WIRE GO TO. IF NOT REQUIRED REMOVE BACK TO SOURCE.

D5 DEMOLITION PHOTO

REMOVE ALL TEMPORARY PLASTIC AND WOOD PIECES.

EXISTING SHAFT WALL TO REMAIN. REMOVE LOOSE DRYWALL PAPER AND CLEAN TO REMOVE ANY MILDEW.

REMOVE ALL LOOSE DEBRIS FROM STAGE SLAB AND FROM THE EXPANSION JOINT BETWEEN THE STAGE SLAB AND THE ADJACENT BUILDINGS.

D6 DEMOLITION PHOTO

REMOVE TEMPORARY WOODEN STAIRS AND WOODEN GUARD RAILS.

REMOVE THIS PORTION OF STAGE CONCRETE BACK TO CONCRETE FOUNDATION WALL.

F1 DEMOLITION PHOTO

REMOVE ALL TEMPORARY WATER PROOFING. TEMPORARY SAFETY RAILS AND DEBRIS LEFT FROM PREVIOUS WORK.

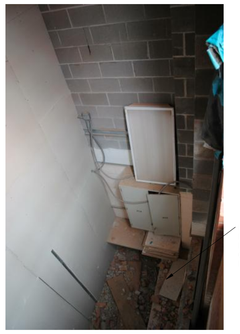
F3 DEMOLITION PHOTO

REMOVE ALL RUBBLE FROM THE EXPANSION JOINTS BETWEEN THE BUILDINGS.

F4 DEMOLITION PHOTO

REMOVE ALL TEMPORARY WOODEN GUARD RAILS AND ENSURE THE EXPANSION JOINT IS CLEAN.

F5 DEMOLITION PHOTO



REMOVE ALL RUBBLE/DEBRIS FROM THE FLOOR OF ADJACENT BUILDINGS.

F6 DEMOLITION PHOTO

F8 GENERAL DEMO NOTES

REVISION SCHEDULE

No.	DESCRIPTION	DATE

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DRAWING TITLE:
DEMOLITION PHOTOS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE: 05/04/2016 | CHECKED: Checker | DRAWN: Author

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER:
4

VA DRAWING NUMBER:

A-101

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR CONSTRUCTION

VA DALLAS - NLC ENCLOSURE

If this sheet is not 30" by 42", it is a reduced print; and thus, must be scaled accordingly.

REMOVE ALL DEBRIS SHOWN AT BOTTOM OF SHAFT.

B1 DEMOLITION PHOTO

REMOVE ALL TEMPORARY WATER PROOFING AND HAND/GUARD RAILS.

REMOVE ALL DEBRIS/RUBBLE.

B3 DEMOLITION PHOTO

REMOVE ALL TEMPORARY WATER PROOFING AND HAND/GUARD RAILS.

REMOVE ALL DEBRIS/RUBBLE.

B4 DEMOLITION PHOTO

REMOVE ALL TEMPORARY WATER PROOFING AND HAND/GUARD RAILS.

TEMPORARY WALL TO BE REMOVED. COORDINATE WITH VA CONSTRUCTION DEPT.

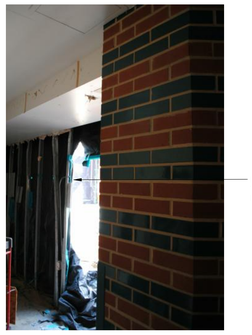
B5 DEMOLITION PHOTO

REMOVE ALL TEMPORARY WATER PROOFING.

REMOVE ALL STEEL STRUCTURE.

REMOVE VERTICAL DUCT ENTIRELY.

D1 DEMOLITION PHOTO



REMOVE ALL TEMPORARY WATER PROOFING.

D2 DEMOLITION PHOTO

TEMPORARY WALL SHALL BE REMOVED. COORDINATE WITH VA CONSTRUCTION DEPT.

REMOVE ALL DEBRIS/RUBBLE.

D3 DEMOLITION PHOTO

REMOVE ALL TEMPORARY WATER PROOFING.

MODIFY CONCRETE BEAM/REBAR TO ALLOW ROOM FOR NEW WALL. EXISTING CONCRETE BEAM SHALL REST ON NEW LOAD BEARING CMU BLOCK WALL. REFER STRUCTURAL DRAWINGS.

MODIFY EXISTING PULL BOX TO ACCOMODATE NEW WALL.

D6 DEMOLITION PHOTO

A. REFER SHEET A-101 FOR PICTURE LOCATIONS.

F8 GENERAL NOTES

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972.285.2630 F. 972.285.4922
WWW.SMARCHITECTSPLLC.COM

REGISTERED ARCHITECT ROGER LYNN STEPHENS 12366 STATE OF TEXAS

05/04/2016

PROJECT DIRECTORY:

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DRAWING TITLE:
DEMOLITION PHOTOS

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VA DRAWING NUMBER:

A-102

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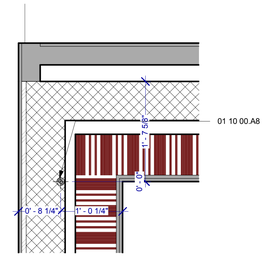
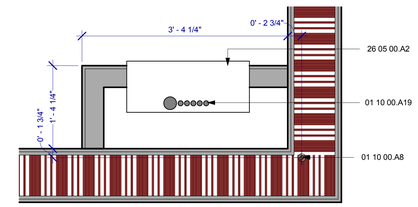


A5 PLAN DETAIL @ NW STATION POINT
1" = 1'-0"



A6 PLAN DETAIL @ SE STATION POINT
1" = 1'-0"

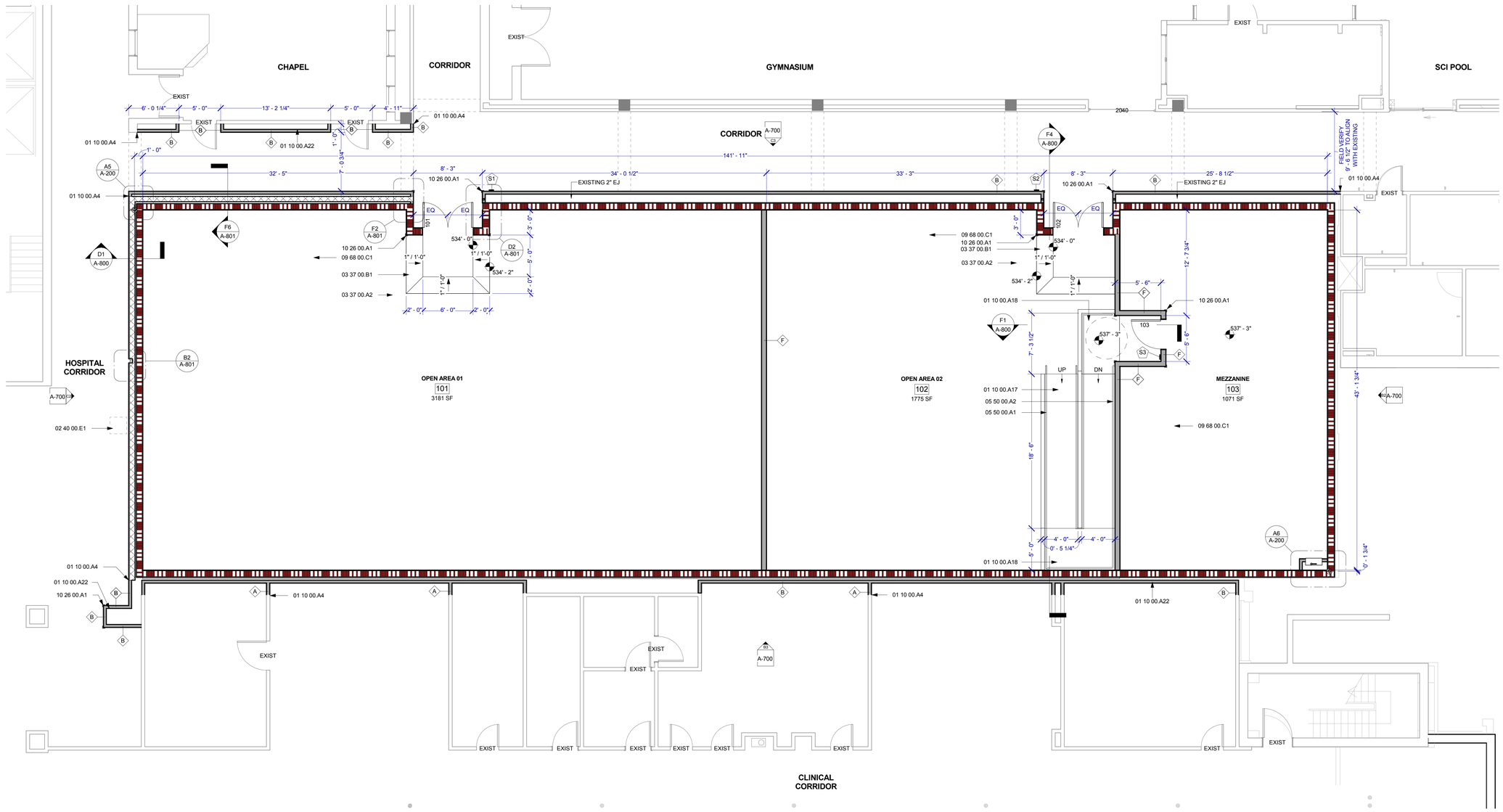
A8 GENERAL NOTES TO SHEET A-200

A. GC TO VERIFY THE CENTERPOINT OF EXISTING COLUMNS AT THE DESIGNATED STATION POINT PLAN NORTHWEST AND SOUTHEAST PRIOR TO DEMOLITION OF SAID COLUMNS. PLEASE NOTE THAT ALL OF THE DIMENSIONS ON THIS PLAN ARE BASED ON THESE STATION POINTS.

B. REFER TO A-001 FOR GENERAL PROJECT NOTES

C. REFER TO A-003 FOR LIMITS OF CONSTRUCTION

D. CONTRACTOR TO PROVIDE THREE FIRE EXTINGUISHERS IN CABINETS TO BE LOCATED IN THE FIELD BY THE ARCHITECT. REFERENCE SPECIFICATION FOR FURTHER INFORMATION.

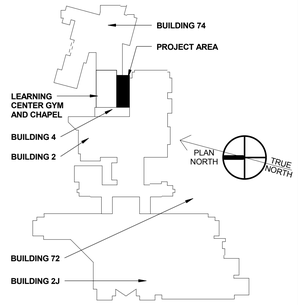


F1 NEW FLOOR PLAN - 534- LEVEL 01
3/16" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
01 10 00.A4	GC TO ALIGN FINISH - TYPICAL
01 10 00.A8	STATION POINT FOR DIMENSIONAL CONTROL BASED ON CENTERPOINT OF EXISTING COLUMN
01 10 00.A17	RAMP WITH NON SLIP FINISH CONCRETE - SLOPE RUN NOT TO EXCEED 1:12, CROSS SLOPE NOT TO EXCEED 1:48
01 10 00.A18	RAMP LANDING WITH NON SLIP FINISH CONCRETE - SLOPE IN ALL DIRECTIONS NOT TO EXCEED 1:48
01 10 00.A19	FURROUT FOR CONDUIT - REFER TO ELECTRICAL FOR MORE INFORMATION - ALL PENETRATIONS IN FLOOR SLAB SHALL BE TREATED WITH THE APPROPRIATE FIRE RATED SEALANT
01 10 00.A22	NEW CONSTRUCTION TO BE PERFORMED BY VA IN-HOUSE CONSTRUCTION: REFER TO F1/A-300 FOR MORE INFO
02 40 00.E1	EXISTING ELECTRICAL PULL BOX TO REMAIN
03 37 00.A2	2" CONCRETE TOPPING SLAB WITH LEVEL 01 FINISH. GC TO PREP EXISTING CONCRETE SLAB TO ALLOW FOR NEW TOPPING.
03 37 00.B1	BASIS OF DESIGN IS 2" ARDEX K13 PREMIUM SELF-LEVELING UNDERLAYMENT. GC TO FEATHER DOWN FROM 534'-2" TO 534'-0".
05 50 00.A1	DECORATIVE STAINLESS STEEL RAILING SYSTEM WITH CABLES. FLOOR MOUNT INSTALLATION.
05 50 00.A2	STAINLESS STEEL WALL MOUNTED HANDRAIL TO MATCH ADJACENT RAILING SYSTEM.
09 68 00.C1	CARPET TILE - REFER TO ROOM FINISH SCHEDULE
10 26 00.A1	CORNER GUARD - REF A/600 FINISH SCHEDULE FOR MORE INFORMATION
26 05 00.A2	ELECTRICAL PANEL - REF ELECT FOR MORE INFORMATION

D8 KEYNOTES TO SHEET



FULLY SPRINKLERED FACILITY

F8 KEYPLAN
N.T.S.

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
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05/04/2016

PROJECT DIRECTORY:

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DRAWING TITLE:
NEW FLOOR PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/04/2016	Checker	Author

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**
BUILDING NUMBER:
4
VA DRAWING NUMBER:

A-200

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

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VA DALLAS - NLC ENCLOSURE

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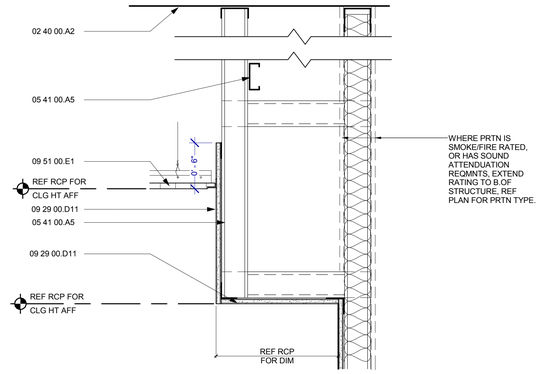
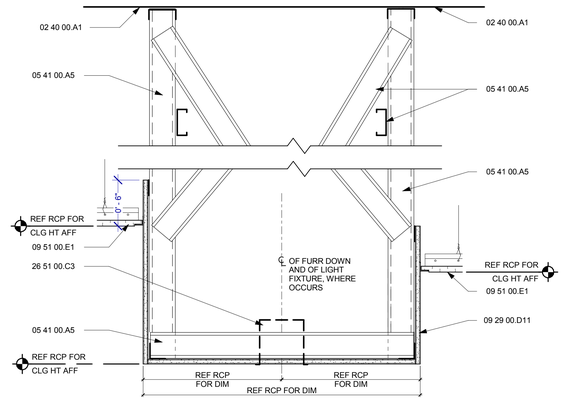


B4 FURR DOWN DETAIL @ WALL
1 1/2" = 1'-0"



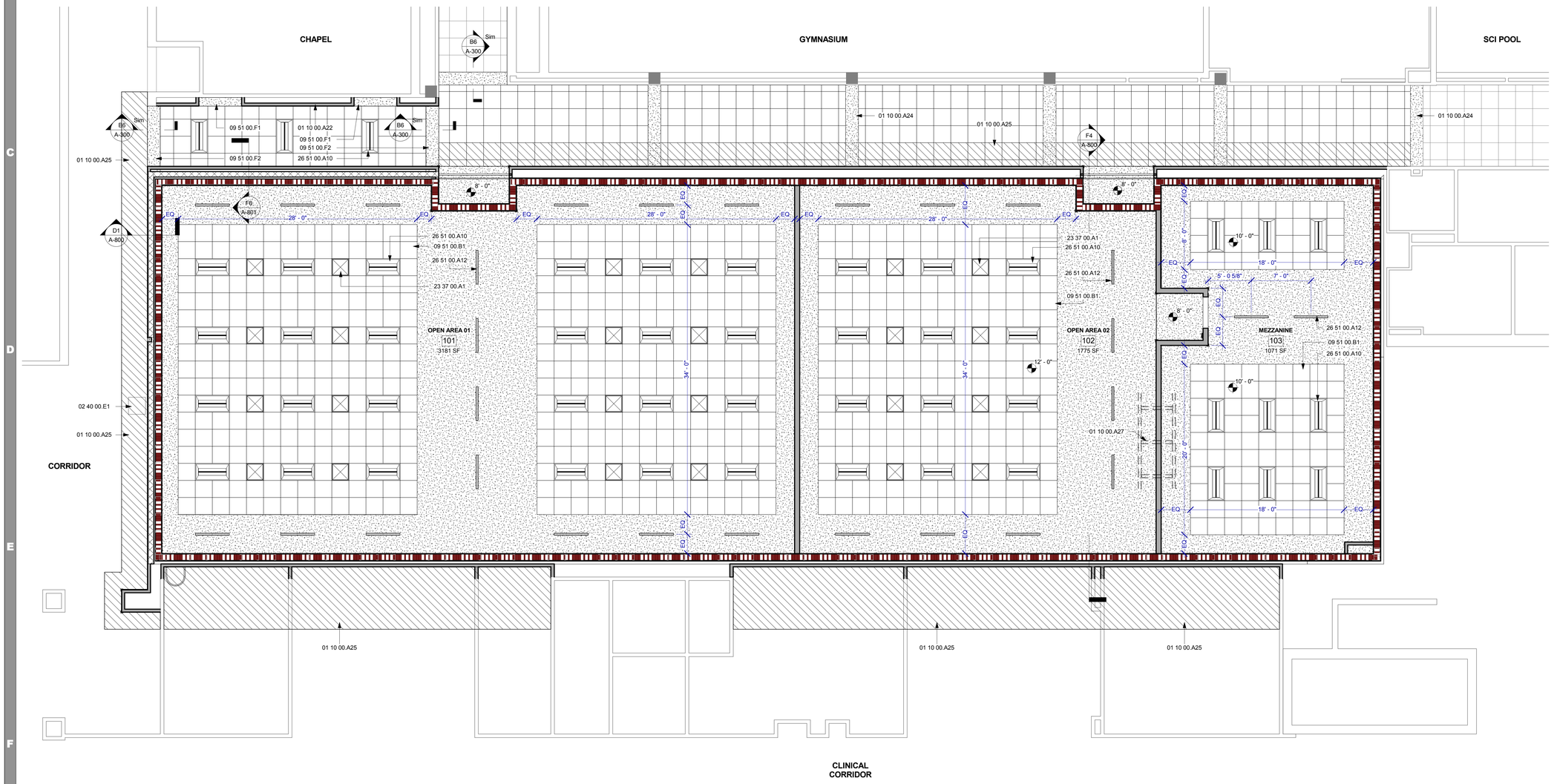
B6 FURR DOWN DETAIL @ BULKHEAD CONDITION
1 1/2" = 1'-0"

A. REFER TO SCOPING PLAN FOR LIMITS OF CONSTRUCTION REGARDING THIS PROJECTS SOW.

B. ALL INFRASTRUCTURE ABOVE THE CLOUD CEILINGS SHALL BE PAINTED FLAT BLACK INCLUDING BUT NOT LIMITED TO:
- PARTITION WALLS (ABOVE CEILING LINE ONLY, COORDINATE WITH FINISH SCHEDULE FOR FINISH BELOW CEILING LINE)
- CONDUIT
- JUNCTION BOXES
- HVAC DUCTWORK
- CEILING SUPPORTS
- SPRINKLER PIPING

C. CEILING ELEVATION HEIGHTS AT THE MEZZANINE SPACE ARE RELATIVE TO THAT LEVEL (537'-3") OR 3'-3" ABOVE LEVEL 01(534'-0").

A8 GENERAL NOTES TO SHEET A-300

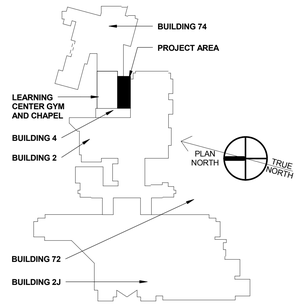


F1 NEW REFLECTED CEILING PLAN LEVEL 01
3/16" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
01 10 00.A22	NEW CONSTRUCTION TO BE PERFORMED BY VA IN-HOUSE CONSTRUCTION: REFER TO F1/A-300 FOR MORE INFO
01 10 00.A24	EXISTING SCI CORRIDOR BULKHEADS
01 10 00.A25	EXISTING CORRIDOR CEILING ADJACENT TO NEW CORRIDOR PARTITIONS SHALL BE REPLACED IN THE HATCHED AREA WITHIN 2'-0" MINIMUM MEASURED PERPENDICULAR TO THE NEW PARTITION - COORDINATE ALL COORIDOR CEILING WORK WITH VA IN-HOUSE CONSTRUCTION AS SOME WORK MAY OVERLAP.
01 10 00.A27	TYPICAL DETAIL - WHERE PARTITION HITS BETWEEN STRUCTURAL TRUSSES ABOVE, FRAME WITH 6" COLD FORM METAL STUDS EVERY 4'-0" O.C. MECHANICALLY FASTENED TO TRUSSES. COORDINATE WITH STRUCTURAL FOR MORE INFORMATION.
02 40 00.A1	EXISTING STRUCTURE ABOVE
02 40 00.A2	NEW METAL DECK ABOVE
02 40 00.E1	EXISTING ELECTRICAL PULL BOX TO REMAIN
05 41 00.A5	3-5/8" METAL STUD AT 16" O.C.
09 29 00.D11	5/8" TYPE "X" GYPSUM BOARD
09 51 00.B1	ACOUSTICAL TILE (2 X 2) BASIS OF DESIGN: ARMSTRONG FLOATING CLOUD WITH FINISHED EDGE ANGLE (AXIUM VESTOR 4" TRIM, WHITE) - REFER TO FINISH SCHEDULE A-600
09 51 00.E1	CEILING - REFER TO RCP FOR MORE INFORMATION
09 51 00.F1	NEW FURRDOWN - REFER TO DETAIL B4/A-300 FOR MORE INFORMATION
09 51 00.F2	NEW BULKHEAD FURRDOWN CEILING - REFER TO DETAIL B6/A-300 FOR MORE INFORMATION
23 37 00.A1	24X24 DIFFUSER. REF MECH
26 51 00.A10	2' X 4' LAY-IN LED FIXTURE - REF ELEC DRAWINGS
26 51 00.A12	SPECIALTY PENDANT LIGHT - BASIS OF DESIGN: FOCAL POINT, AVENUE C-LINEAR
26 51 00.C3	LIGHT FIXTURE, REF TO RCP AND ELEC DRAWINGS

D8 KEYNOTES TO SHEET



FULLY SPRINKLERED FACILITY

F8 KEYPLAN
N.T.S.

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972.285.2630 F. 972.285.4922
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05/04/2016

PROJECT DIRECTORY:

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DRAWING TITLE:
NEW REFLECTED CEILING PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

DATE: 05/04/2016 | CHECKED: Checker | DRAWN: Author

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**
BUILDING NUMBER: 4
VA DRAWING NUMBER:

A-300

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

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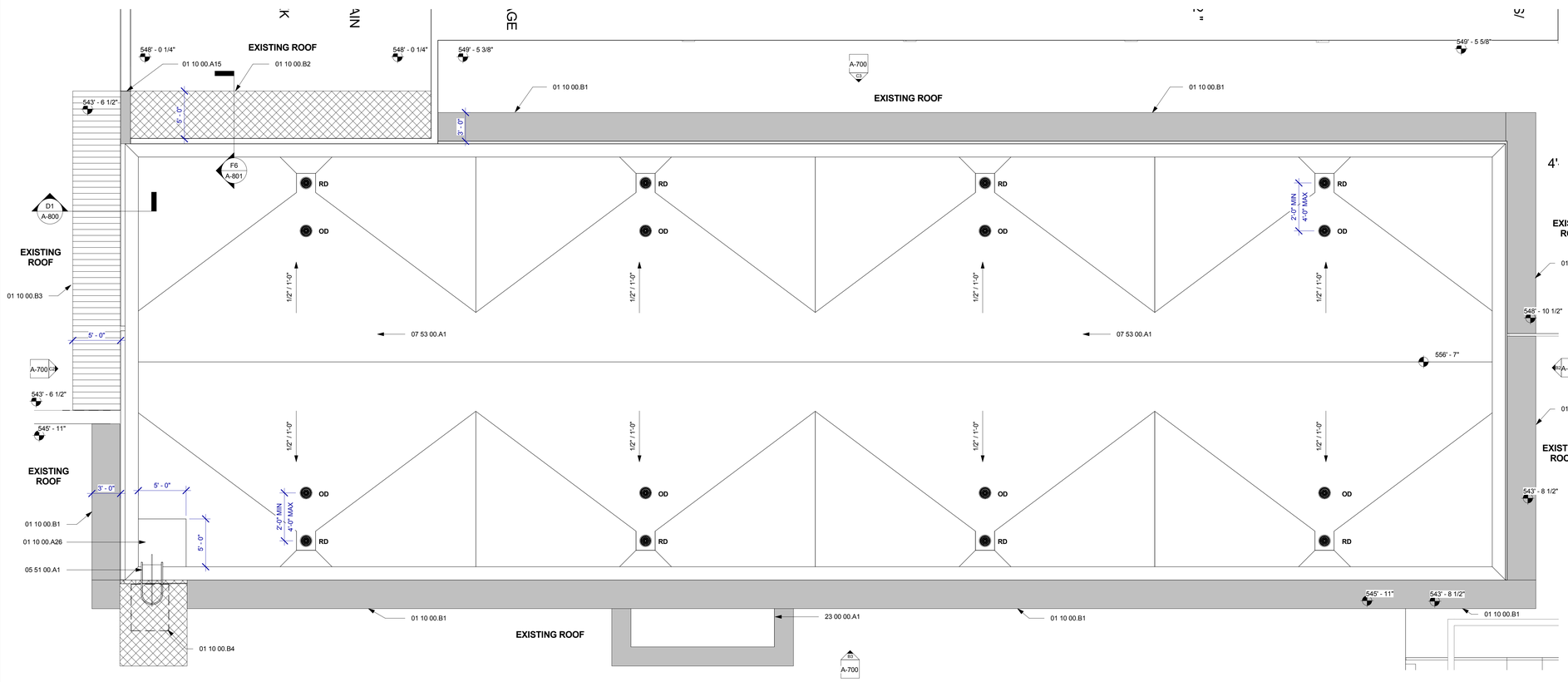
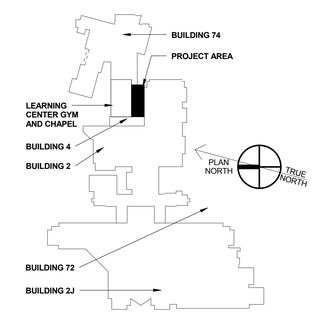


F1 NEW - ROOF PLAN
3/16" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
01 10 00.A15	BUILD BACK END OF PAPAPET WALL WITH LIKE MATERIALS TO FACE OF NEW PONY WALL. PROVIDE CUSTOM STAINLESS STEEL SADDLE FLASHING TO ACCOMMODATE TRANSITION BETWEEN PONY WALL, TOP OF PARAPET, AND OUTSIDE CORNER OF NEW BUILDING.
01 10 00.A26	ROOF WALK-OFF PAD BY ROOFING CONTRACTOR.
01 10 00.B1	REMOVE EXISTING ROOF BACK 3'-0". PATCH ROOFING BACK TO MATCH EXISTING MATERIAL. PROVIDE NEW STAINLESS STEEL FLASHING AND ROOF EJ COVER.
01 10 00.B2	REMOVE EXISTING ROOF BACK 5'-0". PROVIDE NEW CONCRETE AND METAL DECK BETWEEN EXISTING STEEL BEAMS. BUILD NEW METAL STUD PONY WALL AND PATCH ROOFING BACK TO MATCH EXISTING MATERIAL. PROVIDE NEW STAINLESS STEEL FLASHING AND ROOF EJ COVER.
01 10 00.B3	REMOVE EXISTING ROOF BACK 5'-0". BUILD NEW BLOCK PONY WALL AND PATCH ROOFING BACK TO MATCH EXISTING MATERIAL. PROVIDE NEW STAINLESS STEEL FLASHING AND ROOF EJ COVER.
01 10 00.B4	REMOVE EXISTING ROOF BACK AS REQUIRED FOR REMOVAL OF FAN UNIT, CURB AND DUCT. PATCH DECKING AND ROOFING BACK TO MATCH EXISTING MATERIALS. PROVIDE NEW STAINLESS STEEL FLASHING AND ROOF EJ COVER.
05 51 00.A1	FIXED ALUMINUM VERTICAL ROOF LADDER WITH CAGE , SAFETY TIE-OFF, AND PARAPET PLATFORM
07 53 00.A1	SINGLE-PLY MEMBRANE ROOFING / BASIS FOR DESIGN: JOHNS MANVILLE TPO ROOFING MEMBRANE - 80 MIL / FULLY ADHERED ROOFING SYSTEM / COLOR - WHITE OVER RIGID TAPERED INSULATION AND COVER BOARD
23 00 00.A1	ROOF TOP UNIT (RTU). REF MECHANICAL FOR MORE INFORMATION

E8 KEYNOTES TO SHEET



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APPROVED: PROJECT DIRECTOR

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LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER:
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VA DRAWING NUMBER:

A-400

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

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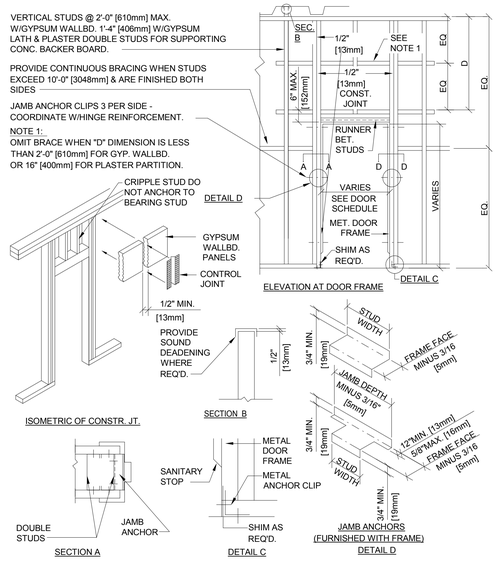


C2 CONTROL JOINT DETAIL AT DOORS

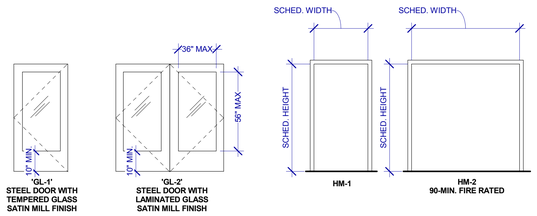
N.T.S.

DOOR SCHEDULE

MARK	ROOM NAME	FRAME TYPE	FRAME FINISH	DOOR TYPE	DOOR FINISH	DOOR OPERATION	DOOR FIRE RATING	Thickness	Height	Width	SECURE / LOCK	HARDWARE GROUP	DOOR COMMENTS
102	OPEN AREA 02	HM-2		GL-2		LHR-RHR	90 MIN	0' - 2"	7' - 0"	6' - 0"	YES	2.01	1, 2, 3
101	OPEN AREA 01	HM-2		GL-2		LHR-RHR	90 MIN	0' - 2"	7' - 0"	6' - 0"	YES	2.01	1, 2, 3
103	MEZZANINE	HM-1		GL-1		RHR	N/A	0' - 2"	7' - 0"	3' - 6"	YES	1.01	1

DOOR COMMENTS:

1. PROVIDE SHEETROCK CONTROL JOINTS ABOVE BOTH SIDES OF EACH DOOR, REF C2/A-600
2. FRAME TYPE HM-1 & HM-2: BASIS OF DESIGN IS TGP FIREFRAMES DESIGNER SERIES 90 MINUTE FIRE-RATED.
3. DOOR TYPE GL-2: BASIS OF DESIGN IS TGP FIREFRAMES DESIGNER SERIES, GLAZING - FIRELITPLUS PREMIUM 90 MIN FIRE RATED.



'GL-1'
STEEL DOOR WITH TEMPERED GLASS SATIN MILL FINISH

'GL-2'
STEEL DOOR WITH LAMINATED GLASS SATIN MILL FINISH

B4 DOOR SCHEDULE & DOOR / FRAME TYPES

HARDWARE GROUP NUMBER : 1.01 (DOOR# 103)

IVES - CONTINUOUS HINGE. 628 FINISH
VON DUPRIN - EXIT DEVICE 99L. 626 FINISH
BEST - RIM CYLINDER 1E72
LCN - CLOSER 4041. 689 FINISH
IVES - WALL STOP
NGP - SMOKE SEAL GASKETS

PROVIDE AUTO DOOR OPENER WITH TWO PUSH/PADS WITH ASSOCIATED POWER SUPPLY. BASIS OF DESIGN: HORTON SERIES 7900 WITH ELECTRIC LATCH

PROVIDE DOOR WITH CARD KEY ACCESS TIED TO THE VA SYSTEM

HARDWARE GROUP NUMBER : 2.01 (DOOR# 101, 102)

WELD-ON BALL BEARING PIVOTS - 3 PER DOOR
IVES - AUTO FLUSH BOLT
IVES DUST PROOF STRIKE. 626 FINISH
BEST - COMBINATED CORE. 626 FINISH
IVES - COORDINATOR. 628 FINISH
FALCON - CLASSROOM LOCK
UNK - ASTRAGAL BY DOOR MFR.
LCN - 2 CLOSERS 4031. 698 FINISH
IVES - 2 FLOOR STOPS
VON DUPRIN - U.L. RATED "FIRE EXIT HARDWARE" TYPE GXHX EA. DOOR.
NGP - SMOKE SEAL GASKETS

PROVIDE AUTO DOOR OPENER WITH TWO PUSH/PADS WITH ASSOCIATED POWER SUPPLY. BASIS OF DESIGN: HORTON SERIES 7900 WITH ELECTRIC LATCH

PROVIDE DOORS WITH CARD KEY ACCESS TIED TO THE VA SYSTEM

C4 DOOR HARDWARE GROUPS

ROOM FINISH SCHEDULE

Name	Number	Floor Finish	Base Finish	Wall Finish - North	Wall Finish - East	Wall Finish - South	Wall Finish - West	Ceiling Finish	Comments
OPEN AREA 01	101	CPT-1	B-1	PT-1	PT-1	PT-2	PT-1	C-1	
OPEN AREA 02	102	CPT-1	B-1	PT-1	PT-1	PT-2	PT-1	C-1	
MEZZANINE	103	CPT-1	B-1	PT-1	PT-1	PT-2	PT-1	C-1	

ROOM FINISH NOTES:

1. HANDRAILS OCCUR WHERE SHOWN ON FLOOR PLAN A-200.
2. CORNER GUARDS OCCUR WHERE SHOWN ON FLOOR PLAN A-200 AND SHALL BE REPLACED AT ALL OUTSIDE GDW CORNERS IN THE CONSTRUCTION AREA.

FLOORS:

CPT-1
MFR: SHAW CARPET
COLLECTION: SPACE WORX
PATTERN: SURROUND TILE 5T125
COLOR: 17761
SIZE: 24x24
NOTE:

BASE:

B-1
MFR: JOHNSONITE
MODEL: CB-31
COLOR: 22 PEARL
SIZE: 4"

WALLS:

PT-1
MFR: SHERWIN-WILLIAMS
MODEL: SW7008 / INTERIOR LATEX/EG-SHEL
COLOR: ALABASTER

PT-2
MFR: SHERWIN-WILLIAMS
MODEL: SW6514/LATEX/EG-SHEL
COLOR: RESPITE
(POTTERY BARN COLLECTION)

PT-3
MFR: SHERWIN-WILLIAMS
MODEL: SW6258/LATEX/EG-SHEL
COLOR: TRICORN BLACK
NOTE: THIS COLOR TO BE USED FOR HIGH PORTION OF WALLS AND ALL ABOVE CEILING ITEMS FROM BOTTOM OF CEILING 'CLOUDS' TO ROOF JOISTS.

CEILING:

C-1
MFR: ARMSTRONG
STYLE: BEVELED TEGULAR ULTIMA HIGH NRC - 1942
COLOR: WHITE
SIZE: 24"x24"x5/8"
GRID: 15/16" WHITE ALUMINUM
NOTE: PROVIDE PERIMETER TRIM AX10STR.
NOTE: CEILING HANGING WIRES TO BE INSTALLED IN A NEAT AND ORDERLY FASHION. WIRES TO BE PAINTED FLAT BLACK.

SPECIALITY ITEMS:

HR-1 (HANDRAIL)
MFR:
MODEL:
COLOR: STAINLESS STEEL
NOTES:

CG-1 (CORNER GUARD)
MFR: KOROSEAL H400
MODEL: SSM-20N
COLOR: MATCH WALL PAINT
NOTES: W2" SNAPS ONTO RETAINER WITH END CAPS & CONT. ALUM. RETAINER

D4 ROOM FINISH SCHEDULE AND NOTES

ROOM SIGNAGE SCHEDULE

SIGN NUMBER	ROOM NUMBER	ROOM NAME	INDIVIDUAL NAME	Braille	New Signage	REMARKS / COMMENTS
S1	101	OPEN AREA 01	TBD	YES	YES	
S2	102	OPEN AREA 02	TBD	YES	YES	
S3	103	MEZZANINE	TBD	YES	YES	

NOTES TO SIGNAGE SCHEDULE:

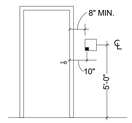
01 - ALL NEW INTERIOR SIGNAGE SHALL MATCH THE CURRENT VA STANDARDS.

02 - REFER TO DETAIL **E7/A-600** FOR SIGNAGE DETAILS.

03 - SIGNAGE SHALL COMPLY WITH SECTION 703 OF THE 2012 TEXAS ACCESSIBILITY STANDARDS.

04 - ALL NEW INTERIOR SIGNAGE MUST HAVE BRAILLE.

E4 ROOM SIGNAGE SCHEDULE



E7 STANDARD ROOM SIGN DETAIL

N.T.S.

PROJECT NUMBER: 12049.00

ISSUED FOR CONSTRUCTION

VA DALLAS - NLC ENCLOSURE

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972.285.2630 F. 972.285.4922
WWW.SMARCHITECTSPLLC.COM

05/04/2016

PROJECT DIRECTORY:

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15026 UNIVERSITY DRIVE
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MIKE MCKEE, PE
CAMPOS ENGINEERING, INC.
1331 RIVER BEND DR.
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RICHARD GARZA
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5910 NORTH CENTRAL EXPRESSWAY
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T. 214.346.0694

DRAWING TITLE: **SCHEDULES**

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/04/2016	Checker	Author

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER: CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER: 4

VA DRAWING NUMBER: **A-600**

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

VA DALLAS - NLC ENCLOSURE

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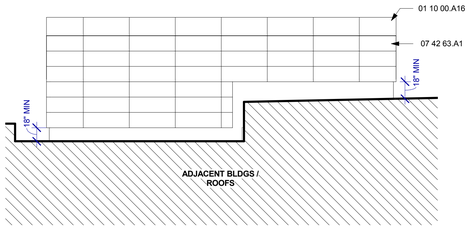
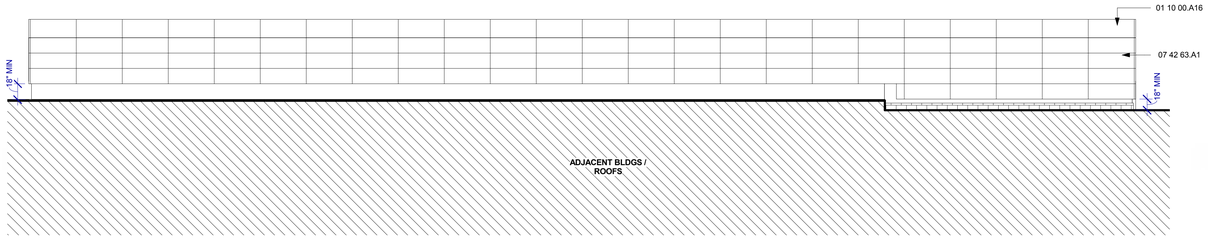


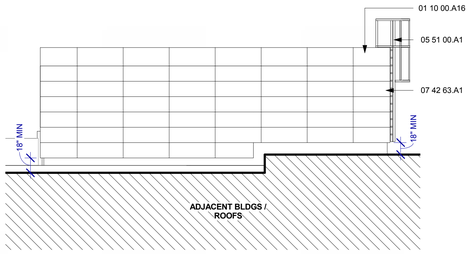
B2 PLAN EAST ELEVATION
1/8" = 1'-0"



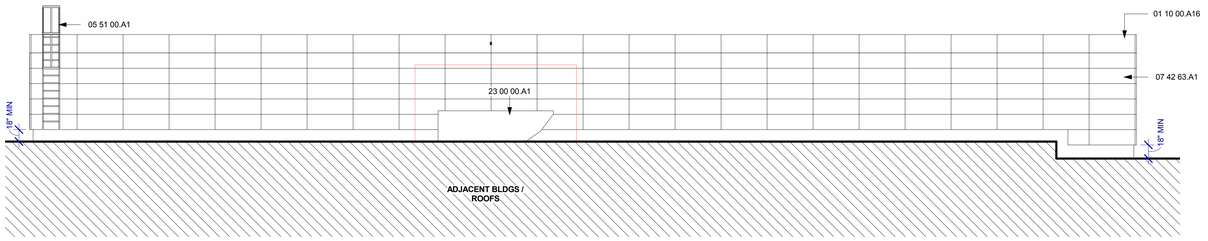
C3 PLAN NORTH ELEVATION
1/8" = 1'-0"

A. THE TOP TOP METAL PANEL OF THE RAINSCREEN SYSTEM IS A SINGLE COPING PANEL WHOSE DIMENSIONS ARE SET. THIS COPING PANEL SHALL ACT AS THE SPRING POINT FOR SUBSEQUENT PANELS WITH THE INTENSION OF MAINTAINING FULL HEIGHT PER FOR EACH PANEL BELOW, IF POSSIBLE. GC TO MAINTAIN 18" MIN. FROM SURFACE OF ADJACENT ROOF STRUCTURES TO BOTTOM OF METAL PANELS.

A8 GENERAL NOTES TO SHEET A-700



C2 PLAN WEST ELEVATION
1/8" = 1'-0"

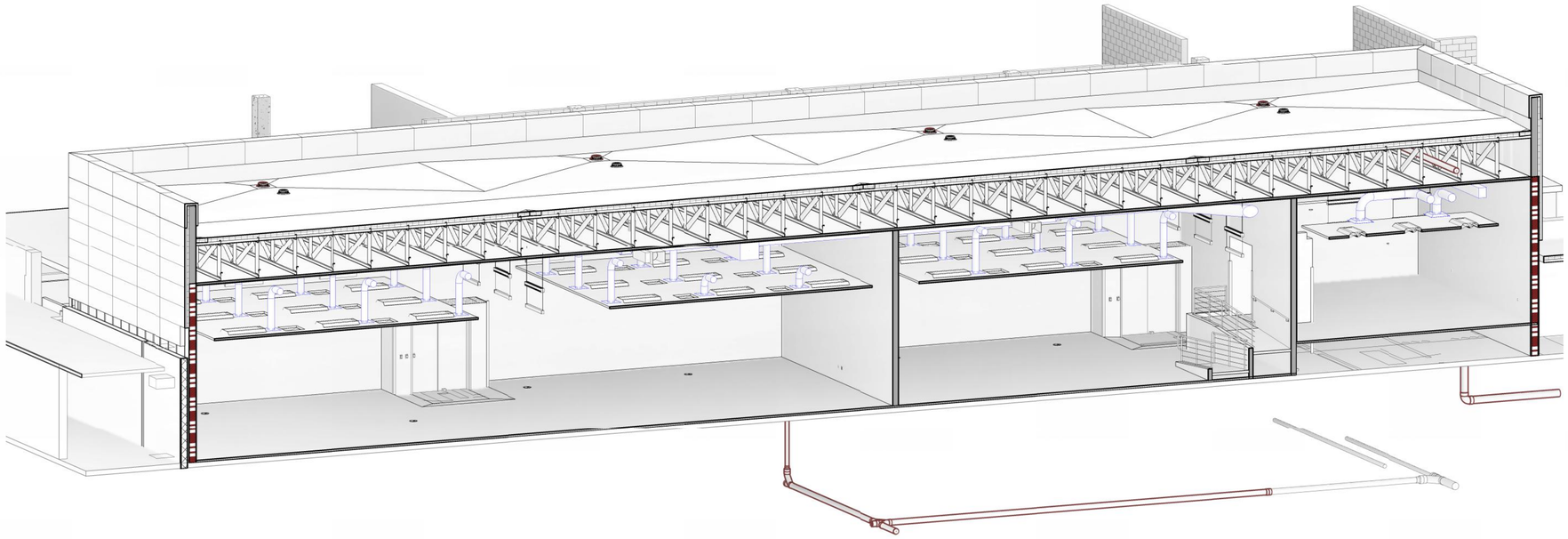


B3 PLAN SOUTH ELEVATION
1/8" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
01 10 00.A16	TOP METAL COPING PANEL. REF GENERAL NOTE "A" AT A8/A-700
05 51 00.A1	FIXED ALUMINUM VERTICAL ROOF LADDER WITH CAGE , SAFETY TIE-OFF, AND PARAPET PLATFORM
07 42 63.A1	METAL WALL AND PARAPET PANELS. DESIGN BASIS: KINGSPAN KARRIER PANEL - ACM R4-300 VERTICAL PANEL. REF. SPECIFICATIONS FOR MORE INFORMATION
23 00 00.A1	ROOF TOP UNIT (RTU). REF MECHANICAL FOR MORE INFORMATION

C8 KEYNOTES TO SHEET



F2 AXON BLDG SECTION - PLAN E TO W

PROJECT NUMBER: 12049.00

ISSUED FOR CONSTRUCTION

VA DALLAS - NLC ENCLOSURE

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
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REGISTERED ARCHITECT ROGER LYNN STEPHENS 12366 STATE OF TEXAS
05/04/2016

PROJECT DIRECTORY:

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DRAWING TITLE:
EXTERIOR ELEVATIONS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/04/2016	Checker	Author

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**
BUILDING NUMBER:
4
VA DRAWING NUMBER:

A-700
DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

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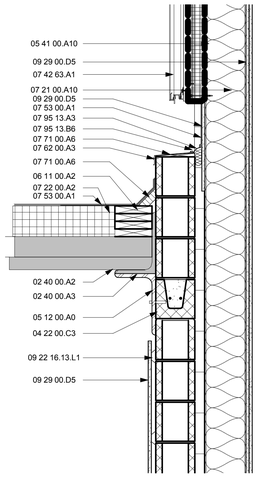
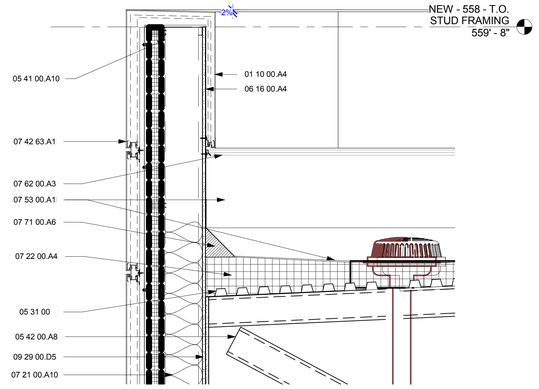
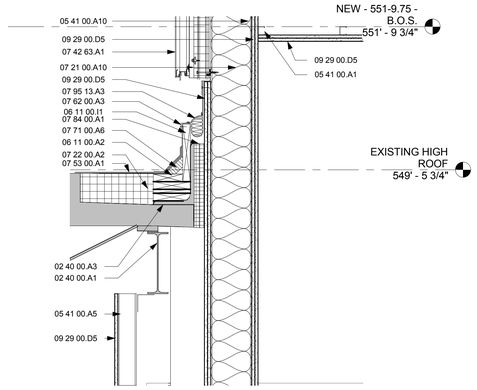


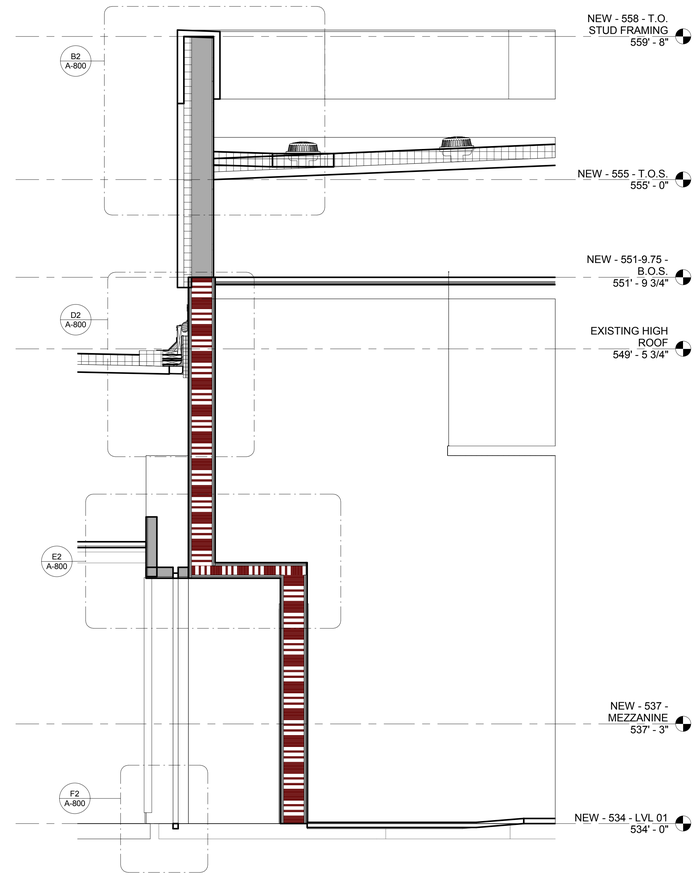
D1 SECTION DETAIL @ NEW CMU WALL
1" = 1'-0"



B2 SECTION DETAIL - N TO S - PARAPET
1" = 1'-0"



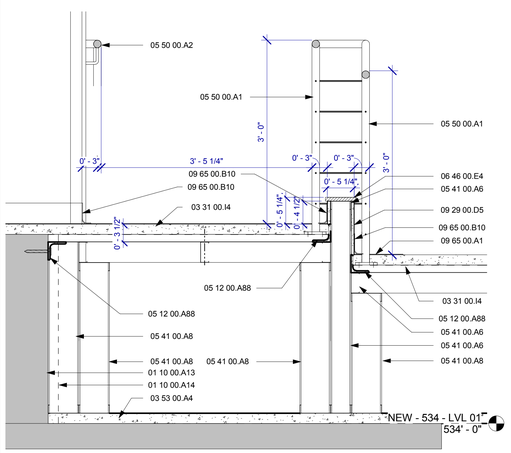
D2 SECTION DETAIL - ROOF EXP. JOINT
1" = 1'-0"



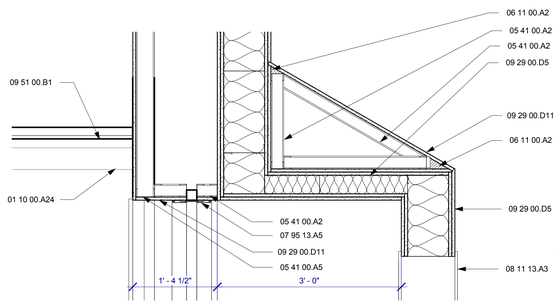
D5 WALL SECTION - N TO S
1/2" = 1'-0"

KEYNOTE LEGEND

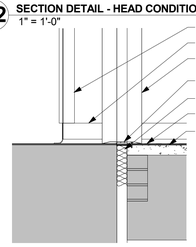
KEY VALUE	KEYNOTE TEXT
01 10 00.A4	GC TO ALIGN FINISH - TYPICAL
01 10 00.A13	FRONT OF EXISTING STAGE (EXPOSED CONCRETE)
01 10 00.A14	LINE OF PROTRUDING PILASTERS AT STAGE FRONT
01 10 00.A24	EXISTING SCI CORRIDOR BULKHEADS
01 10 00.A28	ALL INFRASTRUCTURE ABOVE THE CLOUD CEILINGS SHALL BE PAINTED FLAT BLACK INCLUDING BUT NOT LIMITED TO: - PARTITION WALLS (ABOVE CEILING LINE ONLY, COORDINATE WITH FINISH SCHEDULE FOR FINISH BELOW CEILING LINE) - CONDUIT - JUNCTION BOXES - HVAC DUCTWORK - CEILING SUPPORTS - SPRINKLER PIPING
02 40 00.A1	EXISTING STRUCTURE ABOVE
02 40 00.A2	NEW METAL DECK ABOVE
02 40 00.A3	EXISTING EDGE ANGLE
03 31 00.I4	3-1/2" CAST-IN-PLACE CONCRETE SLAB W/ METAL DECKING
03 53 00.A4	2" CONCRETE TOPPING
04 22 00.C3	SINGLE 8" X 8" BOND BEAM
05 12 00.A0	L SHAPE
05 12 00.A88	L3.5X3.5X0.3125 MECH. FASTENED WHERE SHOWN
05 31 00	STEEL DECKING
05 41 00.A1	1-5/8" METAL STUD AT 24" O.C.
05 41 00.A2	2-1/2" METAL STUD AT 16" O.C.
05 41 00.A5	3-5/8" METAL STUD AT 16" O.C.
05 41 00.A6	4" COLD FORMED METAL STUD AT 16" O.C.
05 41 00.A8	6" COLD FORMED METAL STUD AT 16" O.C.
05 41 00.A10	8" COLD FORMED METAL STUD AT 16" O.C.
05 42 00.A8	COLD-FORMED METAL TRUSS FRAMING. REF. STRUCTURAL SHEETS
05 50 00.A1	DECORATIVE STAINLESS STEEL RAILING SYSTEM WITH CABLES. FLOOR MOUNT INSTALLATION.
05 50 00.A2	STAINLESS STEEL WALL MOUNTED HANDRAIL TO MATCH ADJACENT RAILING SYSTEM.
06 11 00.A2	WOOD BLOCKING AS REQUIRED
06 11 00.I1	2X12
06 16 00.A4	5/8" TYPE 'X' GYPSUM SHEATHING
06 46 00.E4	3/4" X 6" LOW WALL CAP MOLDING - STAIN GRADE WOOD. COLOR TO BE DETERMINED.
07 21 00.A10	BATT INSULATION
07 22 00.A2	TAPERED RIGID INSULATION
07 22 00.A4	POLYISOCYANURATE INSULATION BOARD
07 42 63.A1	METAL WALL AND PARAPET PANELS. DESIGN BASIS: KINGSPAN KARRIER PANEL - ACM R4-300 VERTICAL PANEL. REF. SPECIFICATIONS FOR MORE INFORMATION
07 53 00.A1	SINGLE-PLY MEMBRANE ROOFING / BASIS FOR DESIGN: JOHNS MANVILLE TPO ROOFING MEMBRANE - 80 MIL / FULLY ADHERED ROOFING SYSTEM / COLOR - WHITE OVER RIGID TAPERED INSULATION AND COVER BOARD
07 62 00.A3	STAINLESS STEEL FLASHING
07 71 00.A6	CONTINUOUS WOODEN CANT STRIP
07 84 00.A1	2" FIRE STOPPING
07 95 13.A2	FLOOR EXPANSION JOINT COVER
07 95 13.A3	EXTERIOR WALL EXPANSION JOINT COVER
07 95 13.A5	WALL MOUNTED EXPANSION JOINT COVER ASSEMBLY
07 95 13.B6	2" EXPANSION JOINT
08 11 13.A3	HOLLOW METAL FRAME - RATED
09 22 16.13.L1	7/8" HAT CHANNEL
09 29 00.D5	2 LAYERS 5/8" TYPE 'X' GYPSUM BOARD
09 29 00.D11	5/8" TYPE "X" GYPSUM BOARD
09 51 00.B1	ACOUSTICAL TILE (2 X 2) BASIS OF DESIGN: ARMSTRONG FLOATING CLOUD WITH FINISHED EDGE ANGLE (AXIUM VESTOR 4" TRIM, WHITE) - REFER TO FINISH SCHEDULE A-600
09 65 00.A1	RESILIENT FLOORING
09 65 00.A2	VINYL COMPOSITION TILE
09 65 00.B10	4" ROLLED BASE
10 26 00.A1	CORNER GUARD - REF A/600 FINISH SCHEDULE FOR MORE INFORMATION



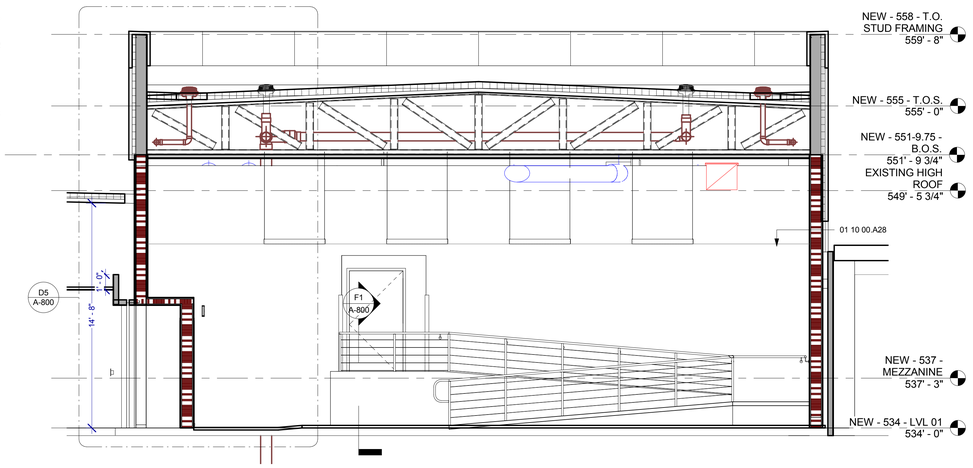
F1 SECTION DETAIL @ MEZZANINE RAMP
1" = 1'-0"



E2 SECTION DETAIL - HEAD CONDITION
1" = 1'-0"

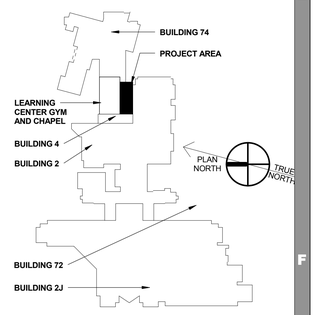


F2 SECTION DETAIL - FLOOR EXP. JOINT
1" = 1'-0"



F4 BLDG SECTION - N TO S
1/4" = 1'-0"

E8 KEY NOTES TO SHEET



FULLY SPRINKLERED FACILITY

F8 KEYPLAN
N.T.S.

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972.285.2630 F. 972.285.4922
WWW.SMARCHITECTSPLLC.COM

REGISTERED ARCHITECT — STATE OF TEXAS — 3366
05/04/2016

PROJECT DIRECTORY:

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DRAWING TITLE:
BUILDING SECTIONS & DETAILS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/04/2016	Checker	Author

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**
BUILDING NUMBER:
4
VA DRAWING NUMBER:

A-800
DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR CONSTRUCTION

VA DALLAS - NLC ENCLOSURE

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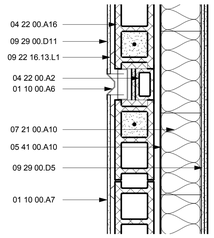
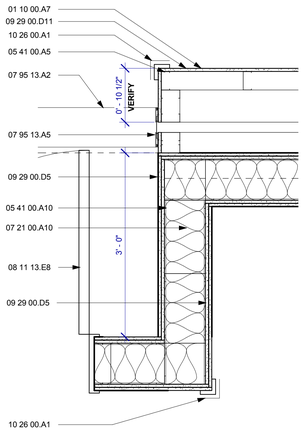
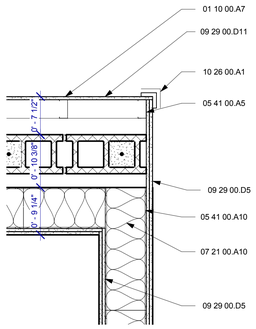


B2 PLAN DETAIL @ CMU WALL WITH EXIST FIRE DOOR RECEIVER
1" = 1'-0"

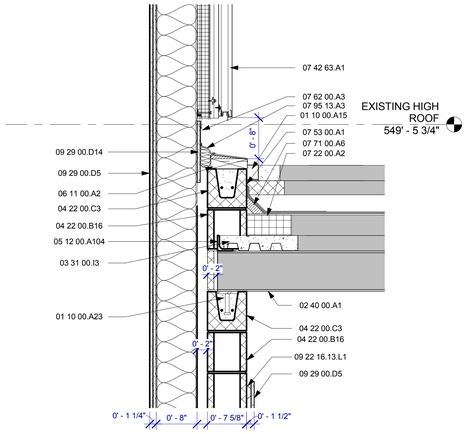


D2 PLAN DETAIL @ STUD WALL WITH EXP. JOINT
1" = 1'-0"

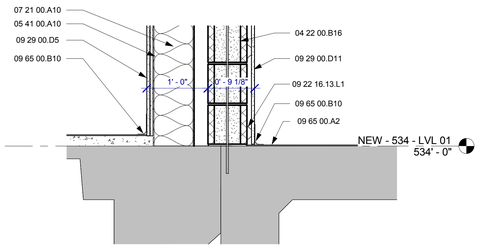


F2 PLAN DETAIL @ CMU WALL
1" = 1'-0"

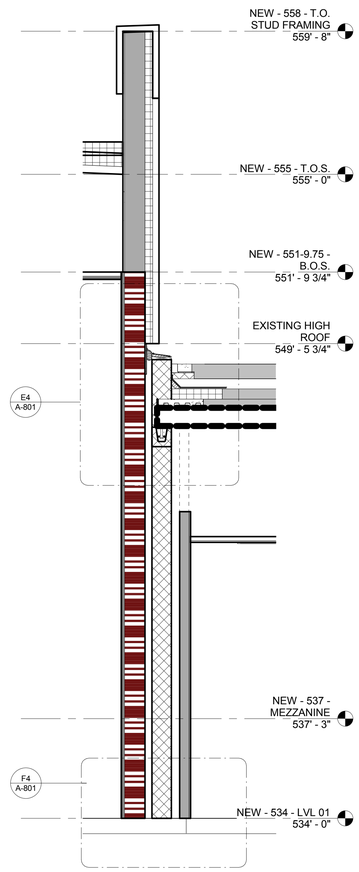
C4 PHOTO OF EXISTING CONDITIONS
NTS



E4 SECTION @ CMU WALL AND EXISTING ROOF STRUCTURE
1" = 1'-0"



F4 SECTION @ CMU WALL AT FLOOR
1" = 1'-0"



F6 SECTION @ CMU WALL ALONG SCI CORRIDOR
1/2" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
01 10 00.A6	EXISTING ACCORDION FIRE DOOR METAL RECEIVER ATTACHED TO STEEL POST
01 10 00.A7	CORRIDOR FINISHES SHALL BE REPLACED BY THE VA. COORDINATE WITH VA CONSTRUCTION GROUP.
01 10 00.A15	BUILD BACK END OF PAPAPET WALL WITH LIKE MATERIALS TO FACE OF NEW PONY WALL. PROVIDE CUSTOM STAINLESS STEEL SADDLE FLASHING TO ACCOMMODATE TRANSITION BETWEEN PONY WALL, TOP OF PARAPET, AND OUTSIDE CORNER OF NEW BUILDING.
01 10 00.A23	REFERENCE STRUCTURAL SHEET S-401 FOR IMBED INFORMATION
02 40 00.A1	EXISTING STRUCTURE ABOVE
03 31 00.I3	3" CAST-IN-PLACE CONCRETE SLAB W/ METAL DECKING
03 53 00.A4	2" CONCRETE TOPPING
04 22 00.A2	4" X 8" X 8" CMU - 1 CORE
04 22 00.A16	8" X 8" X 16" CMU - 2 CORE
04 22 00.B16	8" X 8" X 16" CMU - 3 CORE
04 22 00.C3	SINGLE 8" X 8" BOND BEAM
05 12 00.A104	L3X3X0.25
05 41 00.A5	3-5/8" METAL STUD AT 16" O.C.
05 41 00.A10	8" COLD FORMED METAL STUD AT 16" O.C.
06 11 00.A2	WOOD BLOCKING AS REQUIRED
07 21 00.A10	BATT INSULATION
07 22 00.A2	TAPERED RIGID INSULATION
07 42 63.A1	METAL WALL AND PARAPET PANELS. DESIGN BASIS: KINGSPAN KARRIER PANEL - ACM R4-300 VERTICAL PANEL. REF. SPECIFICATIONS FOR MORE INFORMATION
07 53 00.A1	SINGLE-PLY MEMBRANE ROOFING / BASIS FOR DESIGN: JOHNS MANVILLE TPO ROOFING MEMBRANE - 80 MIL / FULLY ADHERED ROOFING SYSTEM / COLOR - WHITE OVER RIGID TAPERED INSULATION AND COVER BOARD
07 62 00.A3	STAINLESS STEEL FLASHING
07 71 00.A6	CONTINUOUS WOODEN CANT STRIP
07 95 13.A2	FLOOR EXPANSION JOINT COVER
07 95 13.A3	EXTERIOR WALL EXPANSION JOINT COVER
07 95 13.A5	WALL MOUNTED EXPANSION JOINT COVER ASSEMBLY
08 11 13.E8	10" HM DOOR FRAME
09 22 16.13.L1	7/8" HAT CHANNEL
09 29 00.D5	2 LAYERS 5/8" TYPE 'X' GYPSUM BOARD
09 29 00.D11	5/8" TYPE "X" GYPSUM BOARD
09 29 00.D14	5/8" TYPE 'X' GYPSUM SHEATHING
09 65 00.A2	VINYL COMPOSITION TILE
09 65 00.B10	4" ROLLED BASE
10 26 00.A1	CORNER GUARD - REF A/600 FINISH SCHEDULE FOR MORE INFORMATION

F8 KEYNOTE LEGEND

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

SM ARCHITECTS
207 WEST MAIN STREET
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REGISTERED ARCHITECT ROGER LYNN STEPHENS 12365 STATE OF TEXAS
05/04/2016

PROJECT DIRECTORY:

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DRAWING TITLE:
BUILDING DETAILS AND MISC. DETAILS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER:
4

DATE:	CHECKED:	DRAWN:
05/04/2016	Checker	Author

VA DRAWING NUMBER:

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

A-801

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

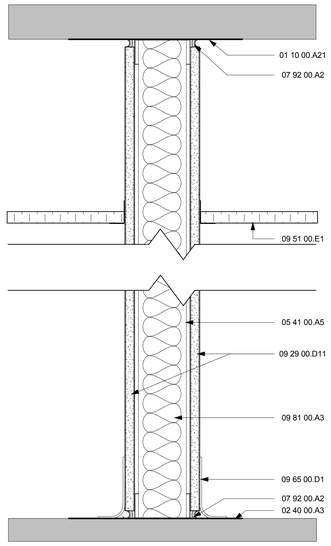
Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR CONSTRUCTION

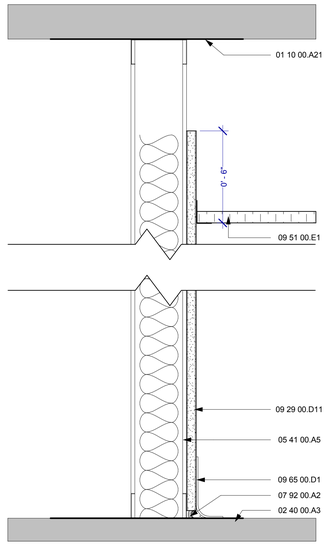
VA DALLAS - NLC ENCLOSURE

If this sheet is not 30" by 42", it is a reduced print; and thus, must be scaled accordingly.



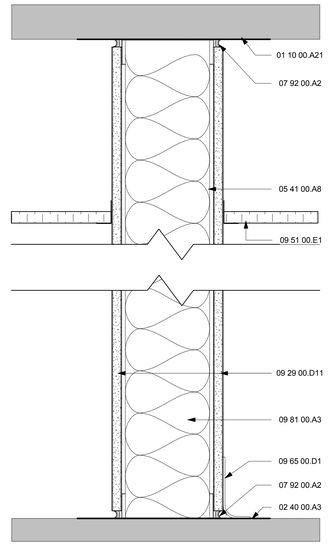
STUD WIDTH	STUD GUAGE	STUD SPACING	GYPSUM BOARD TYPE "X"	PART WIDTH	SOUND ATTENUATION (STC)		
					W/ 3 1/2" SAB	TEST	NO SAB
3 5/8"	20	16" O.C.	5/8"	**4 7/8"**	48	TL99-103	39

A **4 7/8" PARTITION**
3" = 1'-0"



STUD WIDTH	STUD GUAGE	STUD SPACING	GYPSUM BOARD TYPE "X"	PART WIDTH	SOUND ATTENUATION (STC)		
					W/ 3 1/2" SAB	TEST	NO SAB
3 5/8"	20	16" O.C.	5/8"	**4 1/4"**	48	TL99-103	39

B **4 1/4" PARTITION**
3" = 1'-0"



STUD WIDTH	STUD GUAGE	STUD SPACING	GYPSUM BOARD TYPE "X"	PART WIDTH	SOUND ATTENUATION (STC)		
					W/ 3 1/2" SAB	TEST	NO SAB
6"	20	16" O.C.	5/8"	**7 1/4"**	48	TL99-103	39

F **7 1/4" PARTITION**
3" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
01 10 00.A21	NEW STRUCTURE ABOVE
02 40 00.A3	EXISTING EDGE ANGLE
05 41 00.A5	3-5/8" METAL STUD AT 16" O.C.
05 41 00.A8	6" COLD FORMED METAL STUD AT 16" O.C.
07 92 00.A2	SILICONE SEALANT
09 29 00.D11	5/8" TYPE "X" GYPSUM BOARD
09 51 00.E1	CEILING - REFER TO RCP FOR MORE INFORMATION
09 65 00.D1	BASE - REFER TO INTERIOR FINISH SCHEDULE
09 81 00.A3	ACCOUSTICAL ATTENUATION BLANKET INSULATION

F8 **KEYNOTE LEGEND**

PROJECT NUMBER: 12049.00

ISSUED FOR CONSTRUCTION

VA DALLAS - NLC ENCLOSURE

REVISION SCHEDULE

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05/04/2016

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DRAWING TITLE:
PARTITION DETAILS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
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DATE: 05/04/2016 | CHECKED: Checker | DRAWN: Author

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER:
4

VA DRAWING NUMBER:

A-840

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

ABBREVIATIONS

&	AND
L	ANGLE
@	AT
#	NUMBER OR POUND
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADJ	ADJACENT
AISC	AMERICAN INSTITUTE OF STEEL CONST
ALT	ALTERNATE
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECT,ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING MATERIAL
BB	BOND BEAM
BF	BOTTOM FACE
BL	BUILDING LINE
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
B/	BOTTOM OF
BRG	BEARING
BT	BENT
BTR	BATTER
BTWN	BETWEEN
CG	CENTER OF GRAVITY
CIP	CAST IN PLACE
CIR	CIRCLE, CIRCULAR
CJ	CONSTRUCTION OR CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONNX	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
COR	CORNER
CTR	CENTER
CU	CUBIC
D	DEPTH
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DEG, °	DEGREE
DES	DESIGN
DTL	DETAIL
DIA, Ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIR	DIRECTION
DL	DEAD LOAD
DN	DOWN
DP	DEEP
DWG	DRAWING
DWL	DOWEL
E	EAST
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMBED	EMBEDMENT
ENCL	ENCLOSURE
ENGR	ENGINEER
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ES	EACH SIDE
EST	ESTIMATE
EW	EACH WAY
EXC	EXCAVATE, EXCAVATION
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FAB	FABRICATE, FABRICATOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FIN	FINISH, FINISHED
FLG	FLANGE
FLR	FLOOR
FR	FRAME
FT	FEET, FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GR	GRADE
GRD	GROUND
H	HORIZONTAL
HGR	HANGER
HGT	HEIGHT
HK	HOOK
HP	HIGH POINT
HS	HEADED STUDS
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH
INT	INTERIOR
ISOL	ISOLATION
JST	JOIST
JT	JOINT
K	KIPS
KO	KNOCK OUT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	LENGTH
LBS	POUNDS
LIN	LINEAR
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LTWT	LIGHT WEIGHT
LW	LIGHT WEIGHT CONCRETE
MFR	MANUFACTURER
MAS	MASONRY
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MEZZ	MEZZANINE
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MK	MARK
ML	MATCH LINE
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NO, #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
NW	NORMAL WEIGHT CONCRETE
OA	OVER-ALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
PART	PARTITION
PC	PRECAST
PCF	POUNDS PER CUBIC FOOT
PCY	POUNDS PER CUBIC YARD
PL, /Q	PLATE
PLUMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PREFAB	PREFABRICATED
PRELIM	PRELIMINARY
PROJ	PROJECT, PROJECTION
PS	PRESTRESS
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSION, POINT
PVMT	PAVEMENT
QTR	QUARTER
R	RADIUS, RISER, REMAINDER
RB	RAISER BAR
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCING, REINFORCE, REINFORCEMENT
REQD	REQUIRED
REV	REVISION
RF	ROOF
RND	ROUND
RO	ROUGH OPENING
S	SOUTH
SB	SPACER BAR
SC	SHEAR CONNECTOR
SCHED	SCHEDULE
SDL	SUPERIMPOSED DEAD LOAD
SECT	SECTION
SGL	SINGLE
SHT	SHEET
SIM	SIMILAR
SL	SLAB
SP	SPIRAL
SPA	SPACES, SPACING
SPEC	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
ST	STIRRUP
STIFF	STIFFENER
STL	STEEL
STR	STRAIGHT
STRUCT	STRUCTURAL
SUPPT	SUPPORT
SYMM	SYMMETRICAL
T	TREAD, TOP
T/	TOP OF
T & B	TOP AND BOTTOM
TANG	TANGENT
TEMP	TEMPERATURE, TEMPORARY
THK	THICK, THICKNESS
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
ULT	ULTIMATE
V, VERT	VERTICAL
VAR	VARIES, VARIABLE
VOL	VOLUME
W	WEST, WIDTH
W/	WITH
W/O	WITHOUT
WD	WOOD
WL	WIND LOAD
WP	WORK POINT
WT	WEIGHT
WWR	WELDED WIRE REINFORCEMENT
YD	YARD

GENERAL NOTES

1. DESIGN LOADS:

   ROOFS — 20 PSF & 17 PSF WIND UPLIFT

2. STRUCTURAL DESIGN IS IN ACCORDANCE WITH PROVISIONS OF THE 2012 INTERNATIONAL BUILDING CODE.

3. WIND DESIGN DATA:

BASIC WIND SPEED (3 SEC. GUST):	115 MPH
IMPORTANCE FACTOR (IW):	1.0
WIND EXPOSURE:	B
INTERNAL PRESSURE COEFFICIENT (GCPI):	0.18

4. EARTHQUAKE DESIGN DATA:

IMPORTANCE FACTOR (I.E.):	1.0
RISK CATEGORY:	II
Ss: 0.096g	S1: 0.052g
Sds: 0.102g	SD1: 0.083g
SITE CLASS:	D
SEISMIC DESIGN CATEGORY:	B
DIRECTION:	ALL
FORCE RESISTING SYSTEMS:	FRAME
RESPONSE COEFFICIENTS (Cs):	0.029
RESPONSE MODIFICATION FACTOR (R):	3.5
DESIGN BASE SHEAR:	0.029W
ANALYSIS PROCEDURE:	EQUIVALENT LATERAL FORCE

5. SNOW DESIGN DATA:
   GROUND SNOW LOAD (Pf): 5 PSF

6. REFERENCES TO STANDARDS ARE TO EDITIONS INDICATED IN SPECIFICATIONS AND APPLICABLE BUILDING CODE.

7. PRINCIPAL OPENINGS ARE INDICATED ON THE DRAWINGS. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR SLEEVES, BLOCKOUTS, CURBS, AND INSERTS.

SPECIAL INSPECTIONS AND STRUCTURAL OBSERVATIONS

1. THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR THIS PROJECT IS THE ARCHITECT OF RECORD.

2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON, EMPLOYED BY AN INDEPENDENT AGENCY HIRED BY THE OWNER OR OWNER'S REPRESENTATIVE, WHO SHALL DEMONSTRATE COMPETENCE FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION TO THE SATISFACTION OF THE BUILDING OFFICIAL.

3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL TESTING AND INSPECTIONS AS WELL AS NOTIFYING THE ARCHITECT/ENGINEER AND SPECIAL INSPECTORS OF WORK READY FOR OBSERVATION/INSPECTION THEGENERAL CONTRACTOR MUST PROVIDE ACCESS TO AND MEANS FOR PROPER INSPECTION OF SUCH WORK.

4. SPECIAL INSPECTORS ARE RESPONSIBLE FOR VERIFYING THAT THE DESIGNATED WORK HAS BEEN PERFORMED IN COMPLIANCE WITH THE PROJECT DOCUMENTS AND WITH THE REQUIREMENTS AND STANDARDS OF THE BUILDING CODE. THE INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE, OR WAIVE ANY OF THE REQUIREMENTS OF THE PROJECT DOCUMENTS.

5. SPECIAL INSPECTORS SHALL BRING NONCOMPLIANT ITEMS TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR AND THE ARCHITECT/ENGINEER.

6. SPECIAL INSPECTORS SHALL SUBMIT A WEEKLY FIELD REPORT ADDRESSING ALL OUTSTANDING DISCREPANCIES TO THE OWNER, THE BUILDING OFFICIAL, AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE UNTIL ALL CORRECTIONS HAVE BEEN COMPLETED.

7. EACH SPECIAL INSPECTOR IS RESPONSIBLE TO PREPARE, SIGN, AND SUBMIT TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE A REPORT STATING THAT THE CONSTRUCTION WORK REQUIRING SPECIAL INSPECTIONS WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PROJECT DOCUMENTS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THEIR RESPECTIVE CODE. THIS REPORT SHALL BE PREPARED ON A FORM APPROVED BY THE BUILDING OFFICIAL.

8. SPECIAL INSPECTIONS SHALL BE PROVIDED DURING CONSTRUCTION FOR THE FOLLOWING:

NO	TYPES OF WORK	CODE SECTION	QUALIFICATIONS AND FREQUENCY	APPLICABLE
1	PIER	1705.8	SEE SPEC	NO
2	FOOTING BEARING	1705.3/ 1705.6	SEE SPEC.	NO
3	CONCRETE CONSTRUCTION	1705.3	SEE SPEC.	NO
4	STRUCTURAL STEEL	1705.2	SEE SPEC.	NO
5	INSPECTION OF FABRICATORS	1705.2	SEE SPEC.	NO
6	MASONRY CONSTRUCTION	1705.4	SEE SPEC.	YES
7	COLD-FORMED STEEL	1705.10	SEE SPEC.	YES

9. WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF OTHER SPECIFIED TESTING, THE MORE STRINGENT OF THE TWO IS REQUIRED.

10. STRUCTURAL OBSERVATION, AS DEFINED BY CHAPTER 17 OF THE BUILDING CODE, IS NOT REQUIRED.

11. STRUCTURAL OBSERVATION IS A VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM BY A REGISTERED DESIGN PROFESSIONAL FOR THE SOLE PURPOSE OF DETERMINING IF THE WORK IS PROCEEDING IN GENERAL ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND IS NOT INTENDED TO BE A COMPREHENSIVE REVIEW OF THE QUALITY AND/OR QUANTITY OF WORK.

CONCRETE NOTES

1. CONCRETE SHALL HAVE SAND AND GRAVEL OR CRUSHED STONE AGGREGATES AND SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS.

2. CONCRETE PROTECTION FOR DEFORMED BAR CONCRETE REINFORCEMENT SHALL BE AS INDICATED BELOW. SEE SECTION 7.7, ACI 318, FOR CONDITIONS NOT INDICATED.

   TOPPING SLAB — 1"

3. FURNISH DEFORMED BAR CONCRETE REINFORCEMENT, #3 BARS THROUGH # 11 BARS, CONFORMING TO FOLLOWING:

   ASTM A615, GRADE 60

4. ELECTRICALLY-IWELDED WIRE FABRIC OF COLD-DRAWN WIRE (70,000 PSI YIELD) SHALL CONFORM TO ASTM A185, OF SIZE INDICATED ON DRAWINGS.

5. DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL CONFORM TO ACI 315.

6. SPLICE REINFORCING BARS ONLY AS INDICATED ON DRAWINGS EXCEPT LAP SPLICE REINFORCING BARS DESIGNATED AS "CONTINUOUS" OR "CONT." WITH CLASS A LAP SPLICES.

STRUCTURAL COLD FORMED STEEL FRAMING NOTES

1. ALL STUDS, JOIST AND TRACK DESIGNATIONS ARE BASED ON PRODUCTS CONFORMING TO ASTM A446 WITH A MINIMUM YIELD STRENGTH OF 50 KSI ALTERNATES MAY BE SUBMITTED WHICH EQUAL OR EXCEED THE PROPERTIES OF THE SPECIFIED MEMBER WHEN APPROVED BY THE ARCHITECT / ENGINEER.

2. ALL LIGHT GAUGE FRAMING EXPOSED TO THE ELEMENTS SHALL BE GALVANIZED. TOUCH-UP ALL WELDS AND DAMAGED AREAS WITH AN APPROVED GALVANIZING TOUCH-UP PAINT.

3. ALL CONNECTIONS SHALL BE MADE WITH SELF-DRILLING SCREWS OR BY WELDING. SCREWS AND WELDS SHALL BE OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3, STRUCTURAL WELDING CODE-SHEET STEEL.

4. FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

5. PROVIDE 2 ROWS OF BRIDGING BETWEEN WALL STUDS UP TO 10'-0" TALL AND AT A MAXIMUM SPACING OF 3"-4" ABOVE 10'-0" TALL.

6. AT METAL STUD BEARING WALLS, PROVIDE 10" OF UNPUNCHED STEEL AT EACH END OF STUD.

7. FOR LIGHT GAUGE ROOF TRUSSES AND EXTERIOR WALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS PERFORMED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS CONSTRUCTED.

8. MINIMUM STUD SIZE SHALL BE 800S200-54 MIL.

STEEL DECK NOTES

1. WHERE INDICATED ON DRAWINGS, STEEL ROOF DECK RD1, SHALL BE 1½" DEEP X 0.0295" DESIGN THICKNESS (22 GAGE), INTERMEDIATE RIB GALVANIZED DECK AND WELDS WITH A DIAPHRAGM CAPACITY OF 450 PLF AND WITH AN UPLIFT CAPACITY PER DIAGRAMS ON SHEET S-301. DECK SHALL HAVE A MINIMUM SECTION MODULUS WITH REFERENCE TO TOP OF DECK OF AT LEAST 0.121 CUBIC INCHES PER FOOT OF WIDTH, A MINIMUM SECTION MODULUS WITH REFERENCE TO BOTTOM OF DECK OF AT LEAST 0.112 CUBIC INCHES PER FOOT OF WIDTH AND A MOMENT OF INERTIA OF AT LEAST 0.104 INCHES TO THE FOURTH PER FOOT OF WIDTH. DECK SHALL HAVE A MINIMUM YIELD STRENGTH OF 33000 PSI.

REINFORCED GROUTED CONCRETE MASONRY UNITS (CMU)

1. REINFORCED GROUTED MASONRY IS DESIGNED FOR AN F'M OF 1500 PSI USING LIGHTWEIGHT MASONRY BLOCKS OF 8" NOMINAL THICKNESS WITH 2 CELLS PER 16" LENGTH OF BLOCK. UNLESS NOTED OTHERWISE, USE RUNNING BOND CONSTRUCTION. GROUT SHALL HAVE A MINIMUM STRENGTH OF 2000 PSI.

2. VERTICALLY REINFORCE GROUTED MASONRY WITH #4 @ 48" MINIMUM IN GROUTED CELLS UNLESS NOTED OTHERWISE ON DRAWINGS.

3. HORIZONTALLY REINFORCE GROUTED MASONRY WITH A MINIMUM OF TWO 9 GAUGE OR 3/16" DIAMETER WIRES IN A TRUSS OR LADUR TYPE CONFIGURATION AT 16" IN BED JOINTS. SEE DRAWINGS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.

4. LOCATE BOND BEAMS VERTICALLY AT 8'-0" MAXIMUM, AT ALL SILLS AND TOP OF ALL WALLS. REINFORCE BOND BEAMS WITH 2 #5 CONTINUOUS BARS, UNLESS NOTED OTHERWISE IN THE DRAWINGS. OMIT HORIZONTAL BED JOINT REINFORCEMENT WHERE BOND BEAMS OCCUR.

5. FURNISH DEFORMED BAR REINFORCING, #3 BARS THROUGH #11 BARS, CONFORMING TO ASTM A615, GRADE 60.

6. LAP SPLICE REINFORCEMENT 48 BAR DIAMETERS BUT NOT LESS THAN 18".

7. UNLESS NOTED OTHERWISE, DOWEL ALL REINFORCED MASONRY WALLS INTO SUPPORTS WITH MATCHING SIZE AND SPACING OF WALL VERTICAL REINFORCEMENT.

CAMPBELL & ASSOCIATES
CONSULTING ENGINEERS, INC.
REGISTRATION NO. F-690

STEPHEN J. CAMPBELL
36249
REGISTERED PROFESSIONAL ENGINEER
05-03-2016

campbell & associates
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(214) 559-2600 DALLAS, TX 75204
REG. NO. F-690
CACE# 210100

PROJECT NUMBER:

REVISION SCHEDULE

No.	DESCRIPTION	DATE

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DRAWING TITLE:
GENERAL NOTES & ABBREVIATIONS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS NLC ENCLOSURE
PACKAGE NAME

DATE:	CHECKED:	DRAWN:
05/03/2016	SJC	JOW

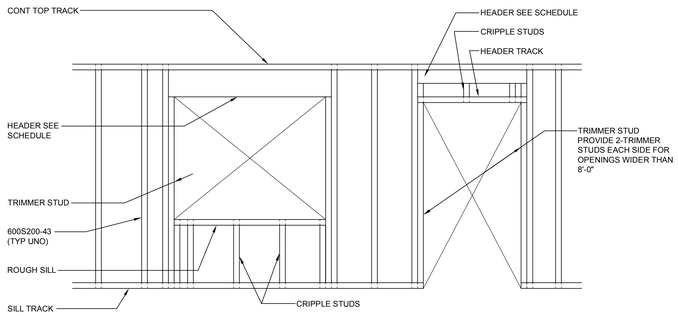
LOCATION:
PROJECT ADDRESS

PROJECT NUMBER:
CLIENT: **79-09-708** SMA: **12049.00**
BUILDING NUMBER:
4
VA DRAWING NUMBER:
SHEET NUMBER

S-001
DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

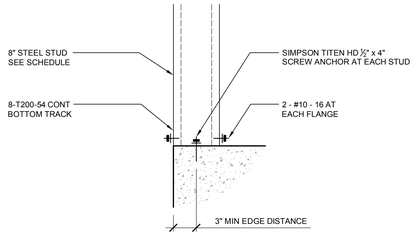
Department of Veterans Affairs



01 METAL STUD FRAMED OPENING DETAIL
SCALE: NONE

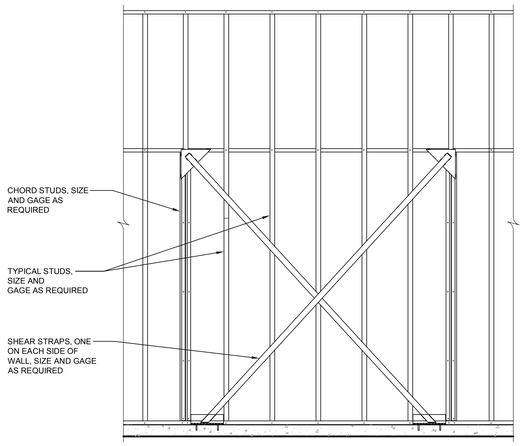
HEADER SCHEDULE	
MAX HEADER SPAN	HEADER SECTIONS
5'-0"	2-600S200-43
8'-0"	2-800S200-54
10'-0"	2-1000S200-54
12'-0"	2-1200S250-68

02 TYPICAL LOAD BEARING STEEL STUD WALL HEADER SCHEDULE
SCALE: NONE



03 TYPICAL LOAD BEARING STEEL STUD WALL BASE DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
TOP TRACK MUST BE CONTINUOUS AT X-BRACING (SPLICING IS NOT PERMITTED)



COLD - FORMED STEEL SHEAR WALL SCHEDULE	
SHEAR WAL MARK	DESIGN SHEAR
SW1	4200 LBS
SW2	8000 LBS

NOTE: DESIGN SHEAR IS UNFACTORED

04 SHEAR WALL ELEVATION
SCALE: NONE

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REGISTRATION NO. F-690

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STATE OF TEXAS

05-03-2016

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REG. NO. F-690
CACE# 210100

PROJECT NUMBER:

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

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DRAWING TITLE:
TYPICAL SECTIONS and DETAILS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS NLC ENCLOSURE
PACKAGE NAME

DATE:	CHECKED:	DRAWN:
05/03/2016	SJC	JOW

LOCATION:
PROJECT ADDRESS

PROJECT NUMBER:
CLIENT: **79-09-708** SMA: **12049.00**
BUILDING NUMBER:
4
VA DRAWING NUMBER:
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S-102
DWG ____ OF ____

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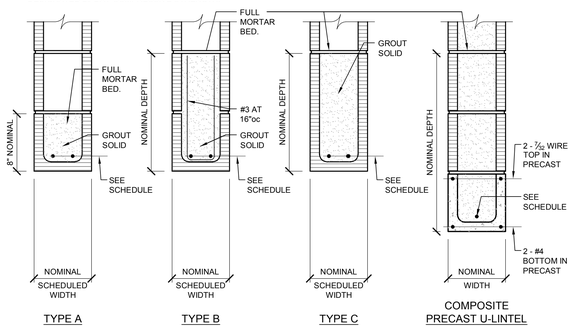
CLEAR SPAN		
INTERIOR 8" WALL		
3'-8" or LESS	8 x 24 COMPOSITE PRECAST U - LINTEL W/ 1 - #5	8 x 8 W/ 2 - #5
OVER 3'-8" to 5'-3" or LESS	8 x 32 COMPOSITE PRECAST U - LINTEL W/ 1 - #5	8 x 16 W/ 2 - #5

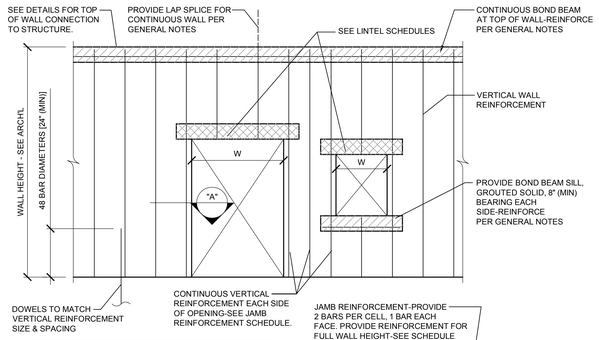
N O T E S :

A. LINTELS INDICATED ABOVE ARE TO BE USED IN ALL MASONRY WALLS INDICATED ON ARCHITECTURAL OR STRUCTURAL DRAWINGS WHERE OPENINGS ARE TO BE PROVIDED. COORDINATE WITH MECHANICAL DRAWINGS FOR OPENING IN WALLS FOR DUCTS AND OTHER MECHANICAL OPENINGS IN WALLS. OPENINGS LESS THAN 16" IN WIDTH DO NOT REQUIRE LINTELS.
B. UNLESS OTHERWISE INDICATED ON THE ARCHITECTURAL OR STRUCTURAL PLANS OR DETAILS, CONTRACTOR MAY USE STEEL LINTELS OR CMU LINTELS IN NON-LOAD BEARING WALLS AT THEIR OPTION.
C. CMU BOND BEAM LINTEL WIDTH SHALL BE THE SAME AS THE WALL SUPPORTED.
D. FILL CMU BOND BEAM LINTELS SOLID WITH GROUT CONFORMING TO SPECIFICATIONS.
E. UNLESS OTHERWISE NOTED, REINFORCEMENT IN CMU BOND BEAM LINTELS IS TO BE PROVIDED IN ONE LAYER IN THE BOTTOM OF THE UNIT.
F. CMU BOND BEAM LINTELS SHALL BEAR A MINIMUM OF 8" EACH END.
G. LINTELS SCHEDULED AS 16" HIGH MAY BE EITHER TYPE "B", TYPE "C" OR PRECAST AS DETAILED BELOW.
H. PRECAST COMPOSITE U-LINTEL DESIGN BASED ON LOAD TABLES FOR CAST-CRETE USA, INC.
J. NOMINAL DIMENSIONS ARE BLOCK WIDTH x BLOCK DEPTH.
K. CMU BOND BEAM LINTELS SHALL BE CONTINUOUSLY SHORED UNTIL MORTAR AND GROUT ACHIEVE 100% OF THIER DESIGNATED 20-DAY COMPRESSIVE STRENGTH.

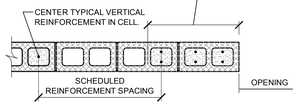


01 TYPICAL LOAD BEARING CMU LINTEL SCHEDULE

SCALE: NONE



VERTICAL JAMB REINFORCEMENT SCHEDULE				
WALL HEIGHT	OPENING SIZE (W)			
	<8'-0"	10'-0"	12'-0"	14'-0"
10'-0"	2 - #4	2 - #5	2 - #5	2 - #5
12'-0"	2 - #5	2 - #6	2 - #7	4 - #5
14'-0"	4 - #5	4 - #6	4 - #6	4 - #7
16'-0"	4 - #6	6 - #5	6 - #6	6 - #7
18'-0"	6 - #6	6 - #7	8 - #6	8 - #7



NOTE:
BARS SHALL BE SPACED WITH VERTICAL BAR POSITIONERS

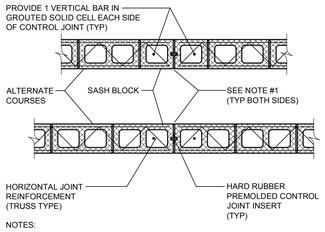
SECTION "A"

02 TYPICAL LOAD BEARING CMU WALL DETAIL

SCALE: NONE

NOTES:

1. USE SEALANT BOTH SIDES FULL HEIGHT OF WALL.
2. MAXIMUM CONTROL JOINT SPACING IS 40'-0"oc.
3. WHERE POSSIBLE, POSITION CMU WALL CONTROL JOINT TO COINCIDE WITH SLAB-ON-GRADE CONTROL / CONSTRUCTION JOINTS.
4. SUBMIT A CMU CONTROL JOINT PLAN TO THE ARCHITECT FOR REVIEW AND APROVAL.

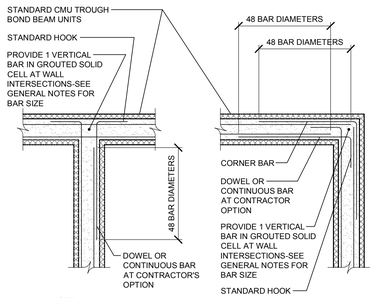


NOTES:

IN LIEU OF HARD RUBBER PREMOLDED CONTROL JOINT INSERT AND SPECIAL SASH BLOCKS, A CONTROL JOINT SHEAR BAR (12" LONG x 1" WIDE x 7/8" THICK) MAY BE GROUTED INTO THE WALL AT THE CONTROL JOINT AT 16"oc.

03 TYPICAL CONTROL JOINT in CMU WALL DETAIL

SCALE: NONE

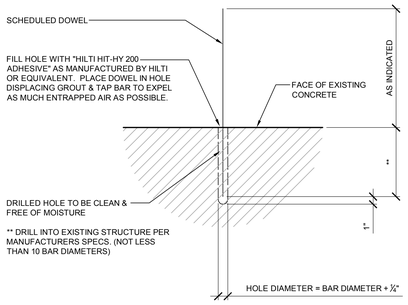


NOTE:

CORNER BARS AND DOWEL SHALL BE THE SAME SIZE AND NUMBER AS THE BOND BEAM REINFORCING UNLESS NOTED OTHERWISE.

04 BOND BEAM CORNER BAR REINFORCEMENT DETAIL

SCALE: NONE



05 TYPICAL DOWEL SETTING DETAIL

SCALE: NONE

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05-03-2016

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DRAWING TITLE:
TYPICAL SECTIONS and DETAILS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS NLC ENCLOSURE
PACKAGE NAME

DATE:	CHECKED:	DRAWN:
05/03/2016	SJC	JOW

LOCATION:
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PROJECT NUMBER:
CLIENT: **79-09-708** SMA: **12049.00**
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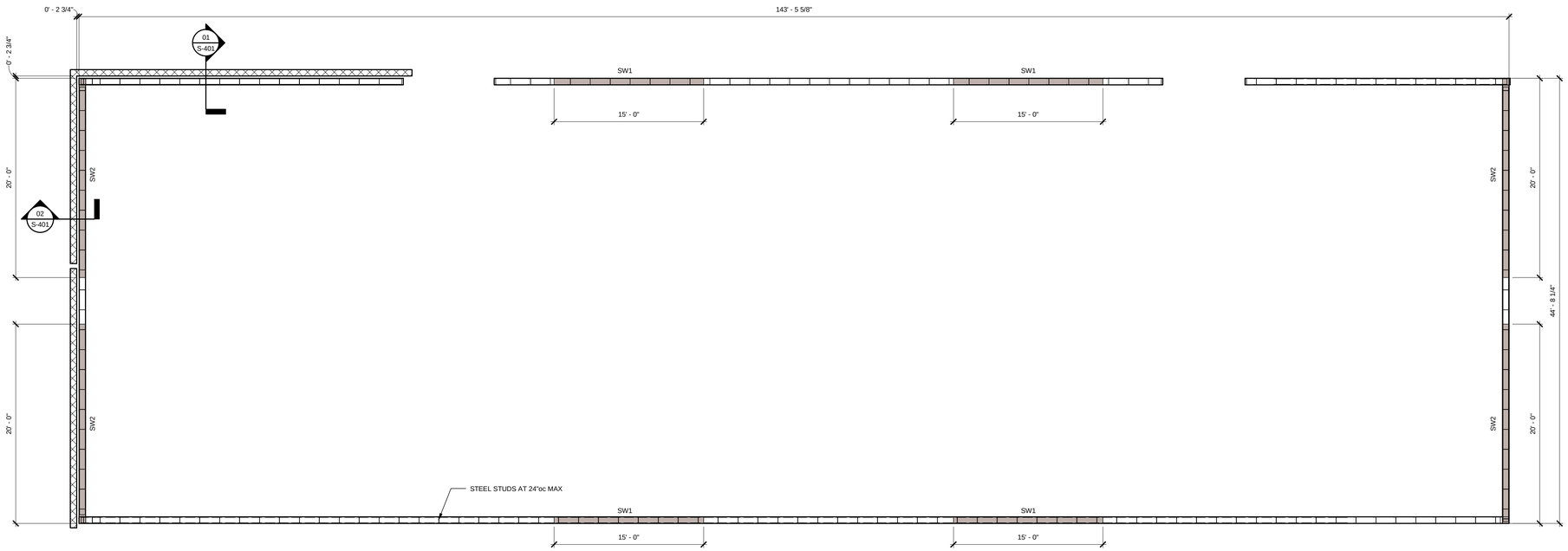
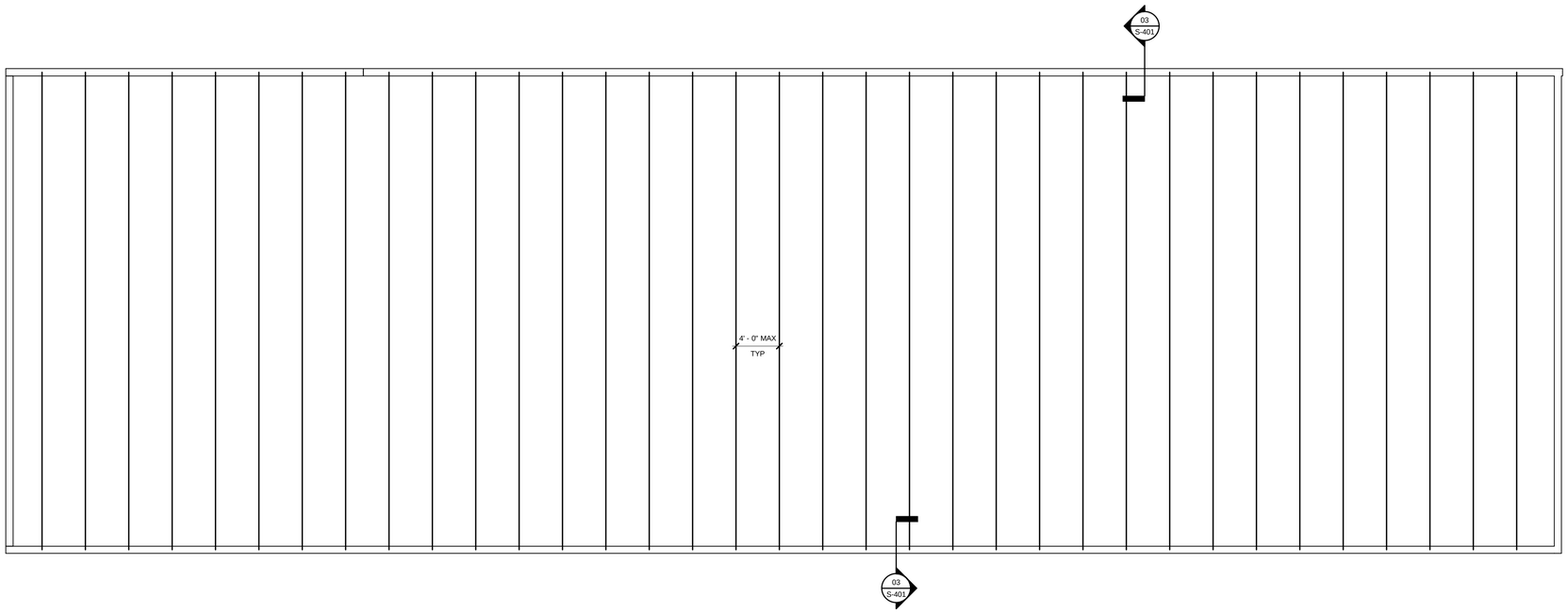


01 FOUNDATION PLAN

SCALE: 3/16" = 1'-0"



PLAN NOTES

1. SEE S-001 FOR GENERAL NOTES
2. SEE S-102 & S-103 FOR TYPICAL DETAILS.
3. ROOF DECK SHALL BE 1 1/2" DEEP x 0.0358 DESIGN THICKNESS (20 GAGE), GALVANIZED STEEL ROOF DECK. SEE GENERAL NOTES FOR REMAINDER OF INFORMATION. (TYP UNO)

02 ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"

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STEPHEN J. CAMPBELL
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DRAWING TITLE:
FOUNDATION and ROOF FRAMING PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

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4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

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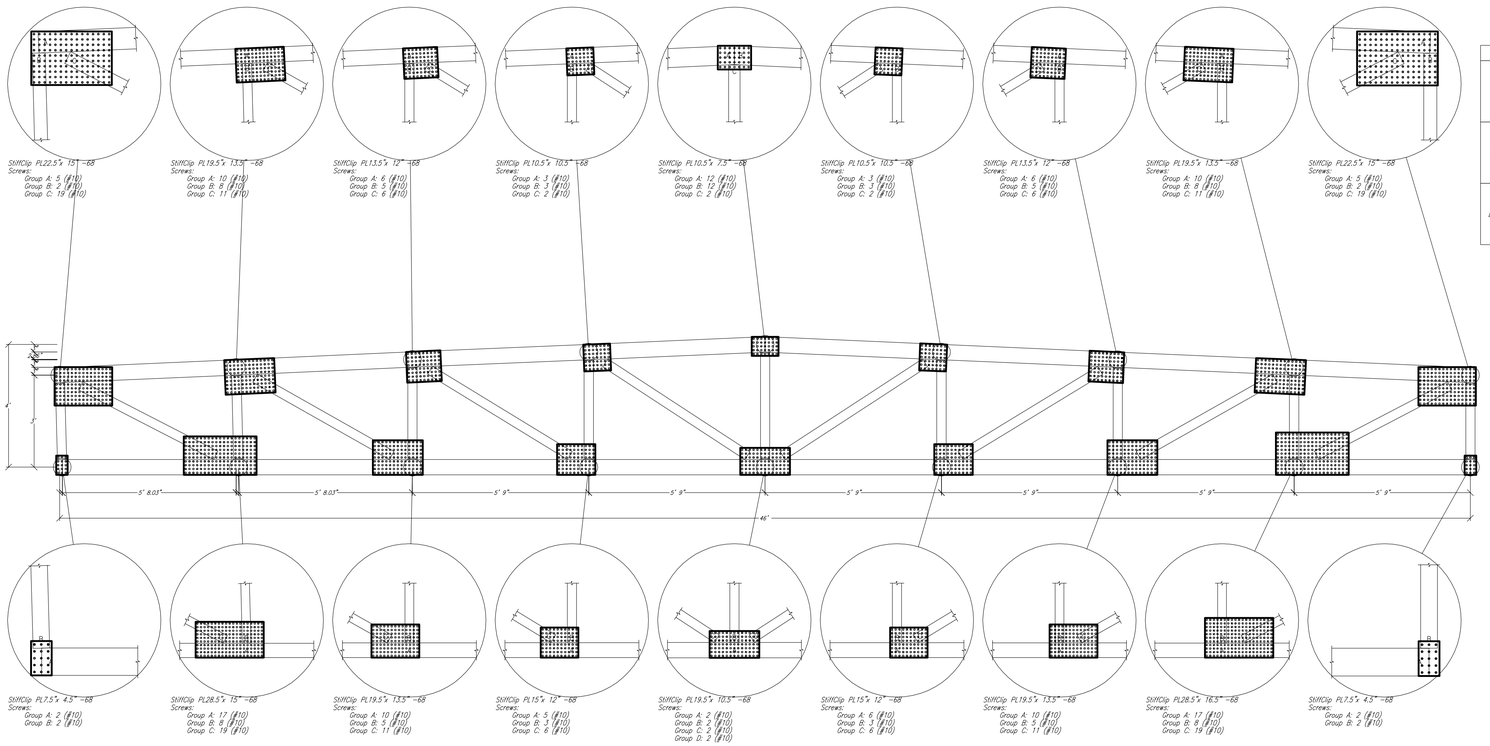

Truss		
Top Chord	600S200-68mil, 50 ksi	
Bottom Chord	600S250-54mil, 50 ksi	
Diagonal Chord	362S300-68mil, 50 ksi	

TRUSS LOADING NOTES:

TOP CHORD	DEAD LOAD	60 PLF
	LIVE LOAD	80 PLF
	WIND LOAD	PER DETAIL 02
BOTTOM CHORD	DEAD LOAD	60 PLF

01 TYPICAL TRUSS ELEVATION

SCALE: NTS

INDICATES NET UPLIFT

- 19 psf AT DECK
  14 psf AT JOIST
- 36 psf AT DECK
  22 psf AT JOIST
- 56 psf AT DECK
  40 psf AT JOIST

02 ROOF UPLIFT DIAGRAM

SCALE: NTS

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REGISTRATION NO. F-690

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05-03-2016

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DRAWING TITLE:
ROOF TRUSS ELEVATION

APPROVED: PROJECT DIRECTOR

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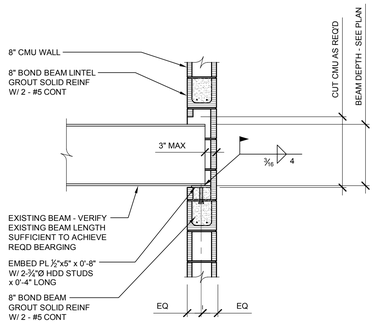
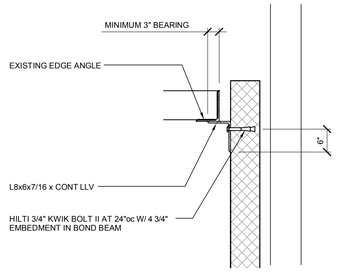
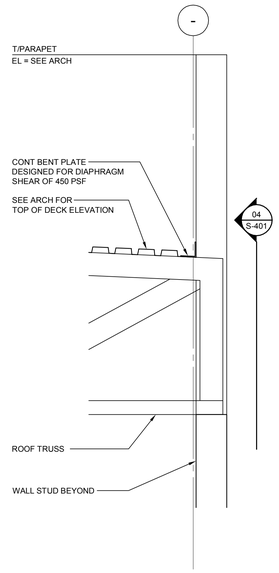


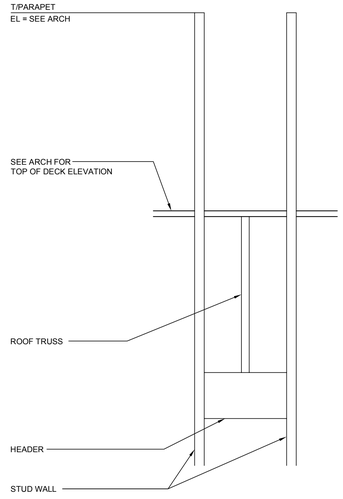
01 SECTION
SCALE: 3/4" = 1'-0"



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



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



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

PROJECT NUMBER:

CAMPBELL & ASSOCIATES
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REGISTRATION NO. F-690

STEPHEN J. CAMPBELL
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REGISTERED PROFESSIONAL ENGINEER
TEXAS

05-03-2016

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FRAMING SECTIONS

APPROVED: PROJECT DIRECTOR

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OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

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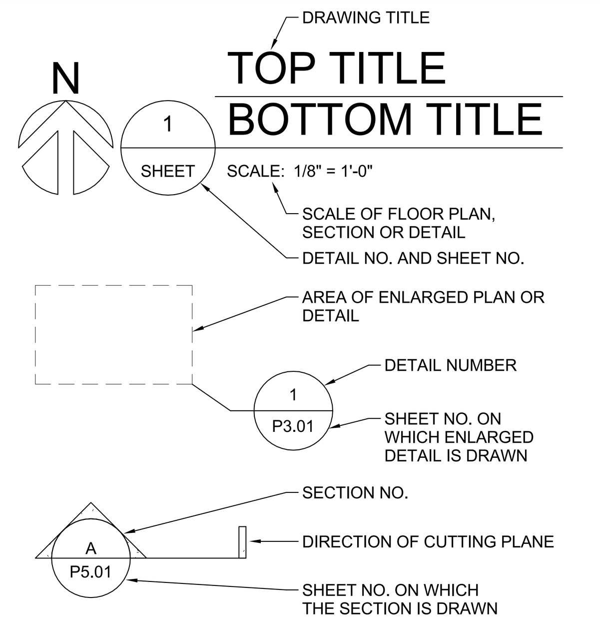
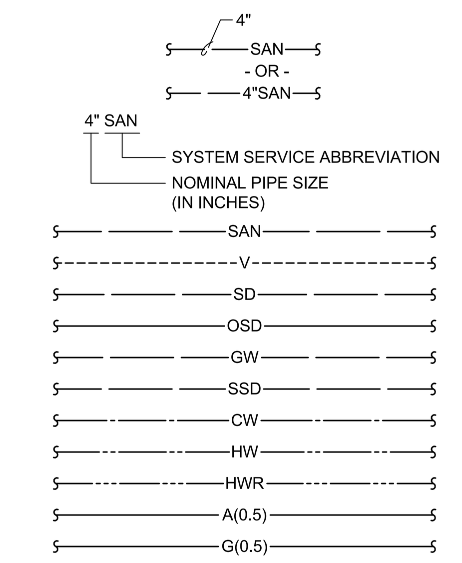
PLUMBING SYMBOL LEGEND

GRAPHIC SYMBOLS



PIPING DESIGNATIONS



MISCELLANEOUS SYMBOLS

SYMBOL	DESCRIPTION
XXX-1	EQUIPMENT DESIGNATION
	SINGLE LINE PIPE BREAK
	DOUBLE LINE PIPE BREAK
	STANDARD BREAK
1	KEYED NOTE
1	REVISION DELTA
	POINT OF DISCONNECTION
	POINT OF CONNECTION (NEW TO EXISTING)
	NEW ITEMS (PIPING/EQUIPMENT)
	EXISTING ITEMS TO REMAIN
	EXISTING ITEMS TO BE DEMOLISHED
	LIMIT OF EXISTING ITEMS TO BE REMOVED
	NEW CONNECTION TO EXISTING ITEM
(N)	NEW ITEM (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(E)	EXISTING ITEM TO REMAIN (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(F)	FUTURE ITEM (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(R)	EXISTING ITEM TO BE RELOCATED (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(D)	EXISTING ITEM TO BE DEMOLISHED (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)

PIPE & FITTING SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
		PIPE
		DIRECTION OF FLOW / SLOPE
		PIPING WITH INSULATION (WHEN SHOWN FOR CLARITY)
		WELDED JOINT
		SCREWED JOINT
		FLANGED JOINT
		UNION
		GROOVED END JOINT
		GENERIC FLEXIBLE COUPLING (REFER TO SPECIFICATIONS)
		GROOVED END ADAPTER FLANGE
		FLANGED COUPLING ADAPTER
		STUB END OR FLANGE ADAPTER W/ FLANGE RING
		BLIND FLANGE
		ELBOW, 45 DEGREE (LONG RADIUS UON)
		ELBOW, 90 DEGREE (LONG RADIUS UON)
		ELBOW, 90 DEGREE - CHANGE IN DIRECTION TOWARD VIEWER
		ELBOW, 90 DEGREE - CHANGE IN DIRECTION AWAY FROM VIEWER
		TEE FITTING
		TEE FITTING, BRANCH TOWARD VIEWER
		TEE FITTING, BRANCH AWAY FROM VIEWER
		LATERAL
		REDUCER - CONCENTRIC
		REDUCER - ECCENTRIC
		CAP
		ANCHOR
CO	CO	CLEANOUT PLUG / WALL CLEANOUT
		VENTURI FLOW METER
		FLOW ORIFICE PLATE
		STRAINER - "Y" TYPE WITH BLOW DOWN
		THERMOWELL WITH THERMOMETER
		PRESSURE GAUGE WITH GAUGE COCK

NOTE:
WELDED FITTINGS ARE SHOWN FOR DOUBLE LINE PIPING. FITTINGS WITH OTHER END CONDITIONS ARE SIMILAR.

PIPE & FITTING SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
		AQUASTAT
		AUTOMATIC AIR VENT
		MANUAL AIR VENT
M	M	WATER METER
		PUMP, ARROW INDICATES FLOW

NOTE:
WELDED FITTINGS ARE SHOWN FOR DOUBLE LINE PIPING. FITTINGS WITH OTHER END CONDITIONS ARE SIMILAR.

VALVE SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
		GATE VALVE
		SHUT-OFF VALVE IN VALVE BOX
		BUTTERFLY VALVE
		BALL VALVE
		DIAPHRAGM VALVE
		GLOBE VALVE
		PLUG VALVE
		GAS COCK
		CHECK VALVE
		BACKFLOW PREVENTER
		BACKWATER VALVE
		PRESSURE REDUCING VALVE
		BALANCING VALVE
		ANGLE VALVE
		TEMPERATURE AND PRESSURE RELIEF VALVE
S	S	SOLENOID VALVE
M	M	MOTOR OPERATED VALVE
		GAS PRESSURE REGULATOR

NOTE:
WELDED FITTINGS ARE SHOWN FOR DOUBLE LINE PIPING. FITTINGS WITH OTHER END CONDITIONS ARE SIMILAR.

EQUIPMENT SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FLOOR/HUB DRAIN		P-TRAP
	FLOOR SINK		HOSE BIBB / FROST-PROOF HOSE BIBB
	ROOF DRAIN / OVER-FLOW ROOF DRAIN		TRAP PRIMER
	FLOOR CLEANOUT		WATER HAMMER ARRESTOR
	CLEANOUT TO GRADE		

THIS IS A STANDARD LEGEND SHEET. SOME INFORMATION ON THIS SHEET MAY NOT NECESSARILY APPLY TO THIS PROJECT.

ABBREVIATIONS

A (0.5)	COMPRESSED AIR (WORKING PRESS.)
AAV	AUTOMATIC AIR VENT
ABV	ABOVE
AC	ALTERNATING CURRENT
A/C	AIR CONDITIONING
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR, AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
ALT	ALTITUDE
AMB	AMBIENT
AMP	AMPERE
AO	ANALOG OUTPUT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE
AS	AIR SEPARATOR
ASC	ABOVE SUSPENDED CEILING
AHJ	AUTHORITY HAVING JURISDICTION
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
B&S	BELL & SPIGOT
B/B	BACK TO BACK
BAL	BALANCE
BBR	BASE BOARD RADIATOR
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BFV	BUTTERFLY VALVE
BFBP	BOILER FEED BOOSTER PUMP
BFW	BOILER FEED WATER
BLDG	BUILDING
BHP	BRAKE HORSEPOWER
BLR	BOILER
BLW	BELOW
BO	BLOWOFF
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BV	BALL VALVE
BYP	BYPASS
°C	CELSIUS [DEGREES]
C/C	COOLING COIL
CAP	CAPACITY
CD	CONDENSATE DRAIN
CF	CHEMICAL FEED
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CH	CHILLER
CHW	CHILLED WATER
CHWP	CHILLED WATER PUMP
CHWPP	CHILLED WATER PRIMARY PUMP
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CHWSP	CHILLED WATER SECONDARY PUMP
	CAST IRON
CIP	CAST IRON PIPE
CKT	CIRCUIT
CKV	CHECK VALVE
CL	CENTER LINE (℄)
CONN	CONNECTION
CPD	CONDENSATE PUMP DISCHARGE
CRAC	COMPUTER ROOM A/C UNIT
CRP	CONDENSATE RETURN PUMP
CT	COOLING TOWER
CU	CONDENSING UNIT
CU FT	CUBIC FEET
CU IN	CUBIC INCH
CUH	CABINET UNIT HEATER
Cv	COEFFICIENT - VALVE FLOW
CW	COLD WATER (POTABLE)
CWR	COLD WATER RETURN (POTABLE)
D	DRAIN
DB	DRY BULB
DBT	DRY BULB TEMPERATURE
dB	DECIBEL
DC	DIRECT CURRENT
DCW	DOMESTIC COLD WATER
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREES [CELSIUS OR FAHRENHEIT]
DENS	DENSITY
DEWPT	DEW POINT TEMPERATURE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DN	DOWNSPOUT NOZZLE
DOV	DRAIN OFF VALVE
DPS	DIFFERENTIAL PRESSURE SENSOR
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
DS	DISCONNECT SWITCH
DWV	DRAIN, WASTE & VENT
EA	EXHAUST AIR
E/P	ELECTRIC PNEUMATIC
EAT	ENTERING AIR TEMPERATURE
ECON	ECONOMIZER
ECU	EVAPORATIVE COOLING UNIT
EDBT	ENTERING DRY BULB TEMPERATURE
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHUAST FAN
EFF	EFFICIENCY
EL	ELEVATION
ENT	ENTERING
EOV	ELECTRONICALLY OPERATED VALVE
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EVAP	EVAPORATOR
EWBT	ENTERING WET BULB TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
EXCH	EXCHANGER
EXH	EXHAUST
EXP	EXPANSION
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
°F	FAHRENHEIT [DEGREES]
FLA	FULL LOAD AMPS
FLG	FLANGE
FMS	FACILITY MANAGEMENT SYSTEM
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FOOT, FEET
FT LB	FOOT-POUND
G (0.5)	GAS (WORKING PRESSURE)
GA	GAUGE, GAGE
GAL	GALLON
GALV	GALVANIZED
GEN	GENERATOR
GLV	GLOBE VALVE
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GTV	GATE VALVE
GW	GREASE WASTE
HC	HEATING COIL
HD	HEAD/HUB DRAIN
HG	HEAT GAIN
HGT	HEIGHT
HP	HEAT PUMP, HORSEPOWER
HPC	HIGH PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM (>100 PSI)
HR	HOUR
HSTAT	HUMIDISTAT
HVAC	HEATING, VENTILATION AND A/C
HW	HOT WATER
HWB	HOT WATER BOILER
HWC	HOT WATER COIL
HWCP	HOT WATER CIRCULATING PUMP
HWP	HOT WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HWT	HOT WATER TANK
HZ	HERTZ (FREQUENCY)
I/O	INPUT/OUTPUT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN WC	INCHES WATER COLUMN
INV	INVERT
IP	IRON PIPE
IPS	IRON PIPE SIZE, INCHES PER SECOND
IPT	IRON PIPE THREADED
IR	INFRARED
IW	INDIRECT WASTE
K	KELVIN, THERMAL CONDUCTIVITY
KIP	THOUSAND POUNDS
KIP FT	THOUSAND FOOT-POUNDS
KW	KILOWATT
KWh	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LB	POUNDS
LDBT	LEAVING DRY BULB TEMPERATURE
LF	LINEAR FEET
LG	LENGTH
LH	LATENT HEAT
LHG	LATENT HEAT GAIN
LP	LOW PRESSURE
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM (<15 PSI)
LRA	LOCKED ROTOR AMPS
LT	LEAVING TEMPERATURE
LTHW	LOW TEMPERATURE HOT WATER
LWBT	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
mA	MILLIAMPERES
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOV	MOTOR OPERATED VALVE
MP	MEDIUM PRESSURE
MPC	MEDIUM PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM (16-99 PSI)
MPT	MALE PIPE THREAD
MU	MAKE-UP WATER
MVD	MANUAL VOLUME DAMPER
NA	NOT APPLICABLE
NC	NOISE CRITERIA, NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN, NUMBER
NPS	NOMINAL PIPE SIZE
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OAI	OUTSIDE AIR INTAKE
OD	OUTSIDE DIAMETER
OSD	OVERFLOW STORM DRAIN
OZ	OUNCE
P	PUMP
P/E	PNEUMATIC ELECTRIC
%	PERCENT
PC	PUMPED CONDENSATE
PCC	PRECOOL COIL
PD	PRESSURE DROP
POS	POSITIVE
PR	PUMPED RETURN
PG	PRESSURE GAUGE
PH	PHASE
PHC	PREHEAT COIL
PRV	PRESSURE REDUCING VALVE
PPM	PARTS PER MILLION
PLBG	PLUMBING
PRESS	PRESSURE
PS	PRESSURE SWITCH
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PTAC	PACKAGED TERMINAL A/C
Q	TOTAL, TOTAL HEAT
QT	QUART
QTY	QUANTITY
R	RELIEF, THERMAL RESISTANCE
RA	RETURN AIR
RAC	ROOM AIR CONDITIONER
RECT	RECTANGULAR
REFR	REFRIGERATION
RET	RETURN
RED	REDUCER
REV	REVOLUTIONS
REF	REFERENCE
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RHG	REFRIGERANT HOT GAS
RHV	REHEAT VALVE
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RPS	REVOLUTIONS PER SECOND
RS	REFRIGERANT SUCTION
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
S	SECOND
SA	SUPPLY AIR
SAN	SANITARY
SC	SHADING COEFFICIENT
SD	STORM DRAIN
SEER	SEASONAL EER
SF	SQUARE FEET
SG	SPECIFIC GRAVITY, STEAM GAUGE
SH	SENSIBLE HEAT
SHG	SENSIBLE HEAT GAIN
SHGC	SOLAR HEAT GAIN COEFFICIENT
SHR	SENSIBLE HEAT RATIO
SOLV	SOLENOID VALVE
SOV	SHUT OFF VALVE
SP	STATIC PRESSURE, SUMP PUMP
SPEC	SPECIFICATION
SPS	STATIC PRESSURE SENSOR
SQ	SQUARE
SSD	SUB-SOIL DRAIN
SSP	STAINLESS STEEL PIPE
SST	STAINLESS STEEL
STD	STANDARD
STM	STEAM
STR	STRAINER
STWP	STEAM WORKING PRESSURE
SUCT	SUCTION
SUP	SUPPLY
SV	SAFETY VALVE
T	TEMPERATURE SENSOR
T&P	TEMPERATURE AND PRESSURE
TCV	TEMPERATURE CONTROL VALVE
TD	TEMPERATURE DIFFERENCE
TEMP	TEMPERATURE
TOP	TOP OF PIPE
TRANS	TRANSFER
TSTAT	THERMOSTAT
U	HEAT TRANSFER COEFFICIENT
U/G	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VENT/VOLTS
VAC	VOLTS ALTERNATING CURRENT
VAR	VARIABLE
VAV	VARIABLE AIR VOLUME
VDC	VOLTS DIRECT CURRENT
VEL	VELOCITY
VENT	VENT, VENTILATION
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VP	VELOCITY PRESSURE
VRF	VARIABLE REFRIGERANT FLOW
VSD	VARIABLE SPEED DRIVE
W	WATT
WB	WET BULB
WBT	WET BULB TEMPERATURE
WC	WATER COLUMN
WG	WATER GAGE
WH	WATER HEATER
WL	WATER LINE
WLD	WELDED
WM	WATER METER
WNF	WELD NECK FLANGE
WP	WATER PUMP
WPD	WATER PRESSURE DROP
WPR	WORKING PRESSURE DROP
WSHP	WATER SOURCE HEAT PUMP
WSP	WORKING STEAM PRESSURE
WT	WEIGHT
YD	YARD, YARD DRAIN
YR	YEAR
Z	ZONE

PLUMBING GENERAL NOTES

1. THE PLUMBING CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT PRICING AND EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED. UTILITIES AND SERVICES INDICATED ARE TAKEN FROM VARIOUS SURVEYS, AS-BUILT DRAWINGS AND FIELD INVESTIGATIONS. IT IS TO BE UNDERSTOOD THAT UNFORSEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES AND EXISTING CONDITIONS IN ROUTING, AS DIRECTED BY THE VA AND ARCHITECT/ENGINEER, MAY BE NECESSARY AND IT IS INTEDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED AS PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES, ETC., PRIOR TO BID, AND INCLUDE ANY DEVIATIONS IN THE PROPOSAL.
2. PROVIDE ISOLATION VALVES IN ALL BRANCH PIPING AND AT EQUIPMENT CONNECTIONS.
3. PROVIDE ALL PLUMBING FIXTURES WITH ACCESSIBLE STOPS.
4. PROVIDE ISOLATION VALVES IN THE HOT AND COLD WATER PIPING TO EACH GROUP OF PLUMBING FIXTURES.
5. PIPING CONNECTIONS TO ALL EQUIPMENT SHALL BE FABRICATED WITH THE ISOLATION VALVES, FLANGES AND/OR UNIONS POSITIONED TO ALLOW REMOVAL AND SERVICE OF THE COMPONENT PARTS.
6. ROUTE PIPING IN AN ORDERLY MANNER AND MAINTAIN PROPER GRADES. INSTALL TO CONSERVE HEADROOM AND TO CREATE MINIMUM INTERFERENCE WITH USE OF SPACE. ROUTE ALL PIPING PARALLEL TO BUILDING LINES UON. GROUP PIPING AT COMMON BOP ELEVATIONS WHENEVER PRACTICAL. PIPES LOCATED IN CONCEALED SPACES SHALL BE ROUTED CLOSE TO BUILDING STRUCTURE UON.
7. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE OR EQUIPMENT CONNECTED.
8. INSTALL VALVES WITH STEMS UPRIGHT OR HORIZONTAL, NOT INVERTED.
9. INSTALL VALVES AND EQUIPMENT IN ACCESSIBLE LOCATIONS. INSTALL ACCESS DOORS IN PARTITIONS OR CEILINGS WHERE VALVES AND EQUIPMENT WOULD OTHERWISE BE INACCESSIBLE.
10. WHEN SOCKET WELD OR SOLDER END VALVES ARE INSTALLED, SPECIAL CARE SHALL BE TAKEN TO AVOID OVERHEATING AND DAMAGING THE VALVE BODY, TRIM OR PACKING. DAMAGED VALVES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
11. IDENTIFY EACH PIPE WITH LABELING AS REQUIRED BY SPECIFICATIONS.
12. SLEEVE ALL PIPING THAT PENETRATES FIRE RATED WALLS, FLOORS AND PARTITIONS. PENETRATIONS SHALL BE SEALED WITH A U.L. LISTED ASSEMBLY TO PROVIDE A RATING EQUAL TO OR GREATER THAN THAT OF THE PENETRATED WALL, FLOOR OR PARTITION.
13. SLEEVE ALL PIPING THAT PENETRATES EXTERIOR BUILDING WALLS AND GRADE BEAMS. SEAL PENETRATIONS WATERTIGHT.
14. COORDINATE WITH OTHER TRADES BEFORE FABRICATION OR INSTALLATION OF ANY SYSTEMS.
15. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL OFFSETS OR ELEVATION DIFFERENCES WHICH MAY BE NECESSARY FOR THE COMPLETE INSTALLATION. THESE SHALL BE PROVIDED AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM AT NO ADDITIONAL COST TO THE CONTRACT.
16. COORDINATE ALL REMODEL WORK WITH NEW CONSTRUCTION AND OTHER TRADES.
17. CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRICAL SERVICE, PIPING OR OTHER BUILDING SERVICES AS REQUIRED TO KEEP OTHER AREAS IN OPERATION DURING REMODELING. NOTIFY THE VA PRIOR TO SHUT-DOWN FOR ANY TEMPORARY SERVICE REQUIREMENTS. ALL TEMPORARY WORK SHALL BE COMPLETELY REMOVED ONLY AFTER NEW SERVICES ARE COMPLETELY INSTALLED AND FUNCTIONAL.
18. ABANDONED PIPING SHALL BE REMOVED WHERE INDICATED ON THE DRAWINGS. PIPING REMAINING IN PLACE SHALL BE CAPPED, SEALED AIR TIGHT AT POINT(S) OF DEMOLITION, AND INSULATED TO MATCH EXISTING.
19. NEW HOLES THROUGH EXISTING FLOORS SHALL BE CORE DRILLED. ALL CORES SHALL BE X-RAYED PRIOR TO CORING.
20. THE VA SHALL HAVE THE OPTION TO DESIGNATE ANY MATERIALS REMOVED OR DEMOLISHED DURING THIS WORK AS "RECYCLABLE" AND SHALL HAVE FINAL DISPOSITION OVER THE DISPOSAL OF THESE MATERIALS. ALL MATERIALS REMOVED/DEMOLISHED BY THE CONTRACTOR FOR THIS JOB AND NOT RETAINED BY THE OWNER FOR RECYCLING OR OTHER PURPOSES SHALL BE DISPOSED OFF-SITE BY THE CONTRACTOR.
21. ANY AND ALL WATER CONNECTIONS MADE FOR THE PURPOSE OF CLEANING TOOLS OR THE WORK AREA OR FOR ANY OTHER CONSTRUCTION-RELATED PURPOSES SHALL BE MADE ONLY TO DOMESTIC WATER HOSE BIBBS OR TO CONTRACTOR-SUPPLIED WATER SOURCES. APPROVED BACKFLOW PREVENTION DEVICES SHALL BE USED AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. CONNECTIONS SHALL NOT BE MADE TO FIRE WATER, CHILLED WATER, CONDENSER WATER, HEATING HOT WATER, DOMESTIC HOT WATER OR ANY OTHER TREATED WATER SOURCE UNLESS REQUIRED AS PART OF WORK ON THESE SYSTEMS.
22. EXCEPT WHERE REQUIRED AT EQUIPMENT NOZZLES, FLANGES SHALL BE RAISED FACE WELD-NECK.
23. INSTALL DIELECTRIC FITTINGS AT ALL FERROUS PIPE CONNECTIONS TO NON-FERROUS METALLIC PIPE OR EQUIPMENT.
24. PROVIDE CHROME PLATED, OR ARCHITECT APPROVED COLOR, ESCUTCHEON PLATES WHERE PIPES EXPOSED TO VIEW PENETRATE FINISHED WALLS, FLOORS AND CEILINGS. SPLIT-RING ESCUTCHEON PLATES SHALL NOT BE USED UON.
25. PROVIDE CAPPED DRAIN VALVES AT LOW POINTS OF PIPING SYSTEMS AND AT EQUIPMENT CONNECTIONS. PROVIDE HOSE BIBB CONNECTIONS WITH CAPS AT DRAIN VALVES WHICH DO NOT DISCHARGE DIRECTLY OVER OR ARE NOT PIPED DIRECTLY TO AN APPROPRIATE DRAIN.
26. PIPING OR EQUIPMENT CONNECTIONS OPENED BY DEMOLITION OR RENOVATION SHALL BE TEMPORARILY SEALED TO KEEP OUT FOREIGN MATTER UNTIL SUCH TIME AS RECONNECTIONS ARE MADE.
27. ALL PIPING SHALL BE SLOPED PER THE PLUMBING CODE AND THE AUTHORITY HAVING JURISDICTION.
28. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF EXISTING SANITARY PIPING TO WHICH NEW SEWER DRAINS ARE TO BE CONNECTED BEFORE INSTALLATION OF NEW SEWER LINE.
29. PROVIDE CLEANOUTS IN ACCORDANCE WITH THE PLUMBING CODE, NO MORE THAN 100 FT. APART, AT CHANGES IN DIRECTION GREATER THAN 45 DEGREES, AND AT THE BASE OF STORM, SOIL AND WASTE STACKS.
30. REFER TO ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE EXACT LOCATIONS, MOUNTING HEIGHTS AND DIMENSIONS.
31. ALL ADA COMPLIANT FIXTURES SHALL BE MOUNTED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
32. INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH BATTERY OF FIXTURES AND AS INDICATED ON RISER DIAGRAMS/ISOMETRICS. ARRESTORS SHALL BE FACTORY-FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. PROVIDE ACCESS PANELS FOR SERVICE AND MAINTENANCE.
33. DRAIN, WASTE, AND VENT PIPING LOCATED IN FIRE RATED WALL ASSEMBLIES AND RETURN AIR PLENUMS SHALL BE SERVICE WEIGHT CAST IRON WITH NO HUB FITTINGS.
34. UPON COMPLETION OF THE DOMESTIC WATER PIPING INSTALLATION, THE ENTIRE BUILDING'S HOT WATER RECIRCULATION SYSTEM SHALL BE CALIBRATED AND BALANCED TO PROVIDE SATISFACTORY OPERATION UNDER MINIMUM AND MAXIMUM EXPECTED FLOW CONDITIONS.
36. CONTRACTOR SHALL PROTECT EXISTING STORM AND SEWER PIPING FROM INFILTRATION OF DEBRIS DURING DEMOLITION.

E1 PLUMBING SYMBOL LEGEND AND GENERAL NOTES

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972.285.2630 F. 972.285.4922
WWW.SMARCHITECTSPLLC.COM

STATE OF TEXAS — MICHAEL McKEE — 102543 — LICENSED — PROFESSIONAL ENGINEER
05/02/2016

PROJECT DIRECTORY:

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CAMPBELL & ASSOC. ENGINEERING, INC.
4131 N. CENTRAL EXPRESSWAY, SUITE 900
DALLAS, TX 75204
T. 214.559.2600

HUNTER FIRE PROTECTION, INC.
15026 UNIVERSITY DRIVE
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MIKE MCKEE, PE
CAMPOS ENGINEERING, INC.
1331 RIVER BEND DR.
DALLAS, TX 75247
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RICHARD GARZA
GARZA PROGRAM MANAGEMENT
5910 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75206
T. 214.346.0694

DRAWING TITLE: PLUMBING SYMBOL LEGEND AND GENERAL NOTES

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

DATE: 05/02/2016 | CHECKED: JMM | DRAWN: CAM

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER: CLIENT: 549-09-708 SMA: 12049.00

BUILDING NUMBER: 4

VA DRAWING NUMBER: P-001

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

If this sheet is not 30" by 42", it is a reduced print; and thus, must be scaled accordingly.

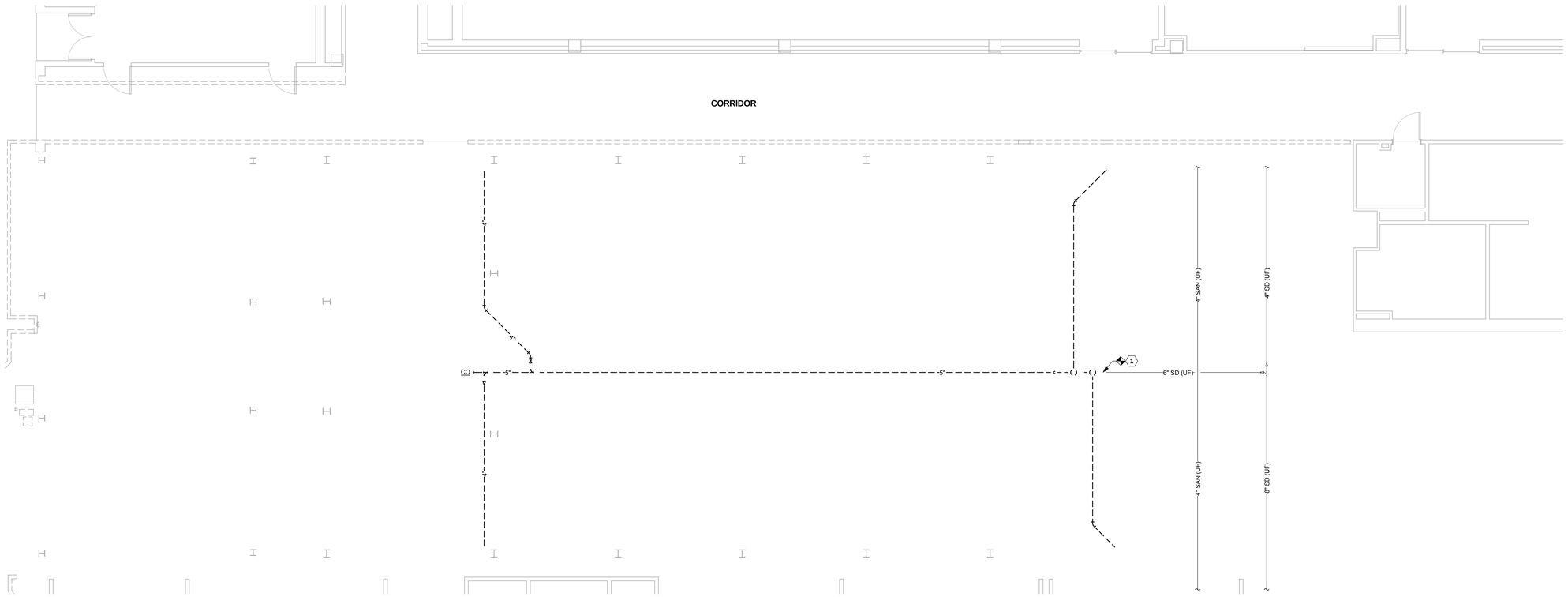
SHEET NOTES:

A. REFER TO THE SYMBOL LEGEND AND GENERAL NOTES.
B. REFER TO THE SPECIFICATIONS.

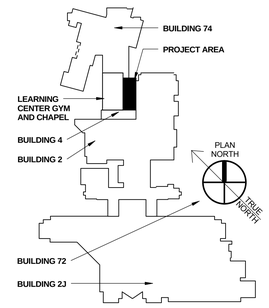
KEY NOTES:

1. REMOVE EXISTING STORM DRAIN PIPING, FITTING, HANGER AND SUPPORTS. CAP EXISTING PIPING TO REMAIN TO PREVENT INFILTRATION OF DEBRIS.

A8 P-101 SHEET NOTES



F1 DEMOLITION PLUMBING FLOOR PLAN
3/16" = 1'-0"



FULLY SPRINKLERED FACILITY

F8 KEYPLAN
N.T.S.

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
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WWW.SMARCHITECTSPLLC.COM

STATE OF TEXAS
102543
LICENSED
PROFESSIONAL ENGINEER
05/02/2016

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DRAWING TITLE:
PLUMBING DEMO UNDERFLOOR PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	Checker	Author

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER:
4

VA DRAWING NUMBER:

P-101

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

If this sheet is not 30" by 42", it is a reduced print; and thus, must be scaled accordingly.

PRIOR TO NEW WORK CONTRACTOR SHALL VIDEO SCOPE ALL EXISTING PIPING WITH NEW CONNECTION. IF PIPING HAS DEBRIS OR OBSTRUCTION CONTRACTOR SHALL CLEAN PIPING TO ENSURE PROPER FLOW. ONCE THE PIPING IS INSPECTED CONTRACTOR SHALL PROVIDE PROTECTION TO PREVENT INFILTRATION OF DEBRIS INTO PIPING.

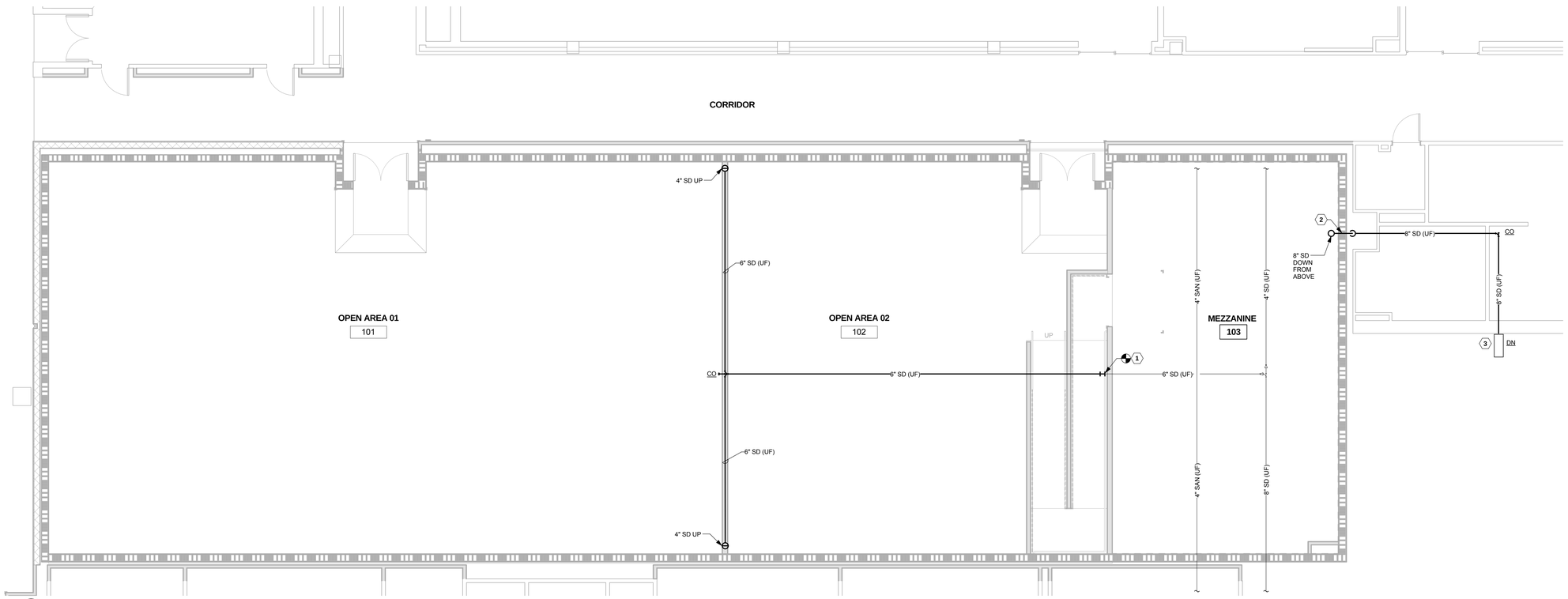
SHEET NOTES:

A. REFER TO THE SYMBOL LEGEND AND GENERAL NOTES.
B. REFER TO THE SPECIFICATIONS.
C. ALL EXISTING PIPING ROUTED IN CRAWL SPACE BELOW FLOOR.
D. ALL HORIZONTAL STORM DRAIN PIPING SIZED FOR 2 PERCENT SLOPE.

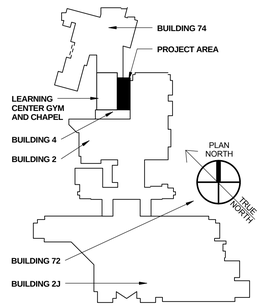
KEY NOTES: (#)

1. CONNECT TO EXISTING STORM DRAIN PIPING BELOW FLOOR IN THE CRAWL SPACE.
2. ROUTE 8" SD ABOVE CEILING IN SPACE TO CHASE. ONCE IN CHASE ROUTE 8" SD TO CEILING OF BASEMENT.
3. DOWNSPOUT NOZZLE TO BE PLACE 12" ABOVE GRADE. PROVIDE 12" WIDE X 30" LONG SPLASH BLOCK.

A8 P-201 SHEET NOTES



F1 NEW PLUMBING FLOOR PLAN
3/16" = 1'-0"



FULLY SPRINKLERED FACILITY

F8 KEYPLAN
N.T.S.

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
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DRAWING TITLE:
PLUMBING UNDERFLOOR PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	JMM	CAM

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**

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P-201

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OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

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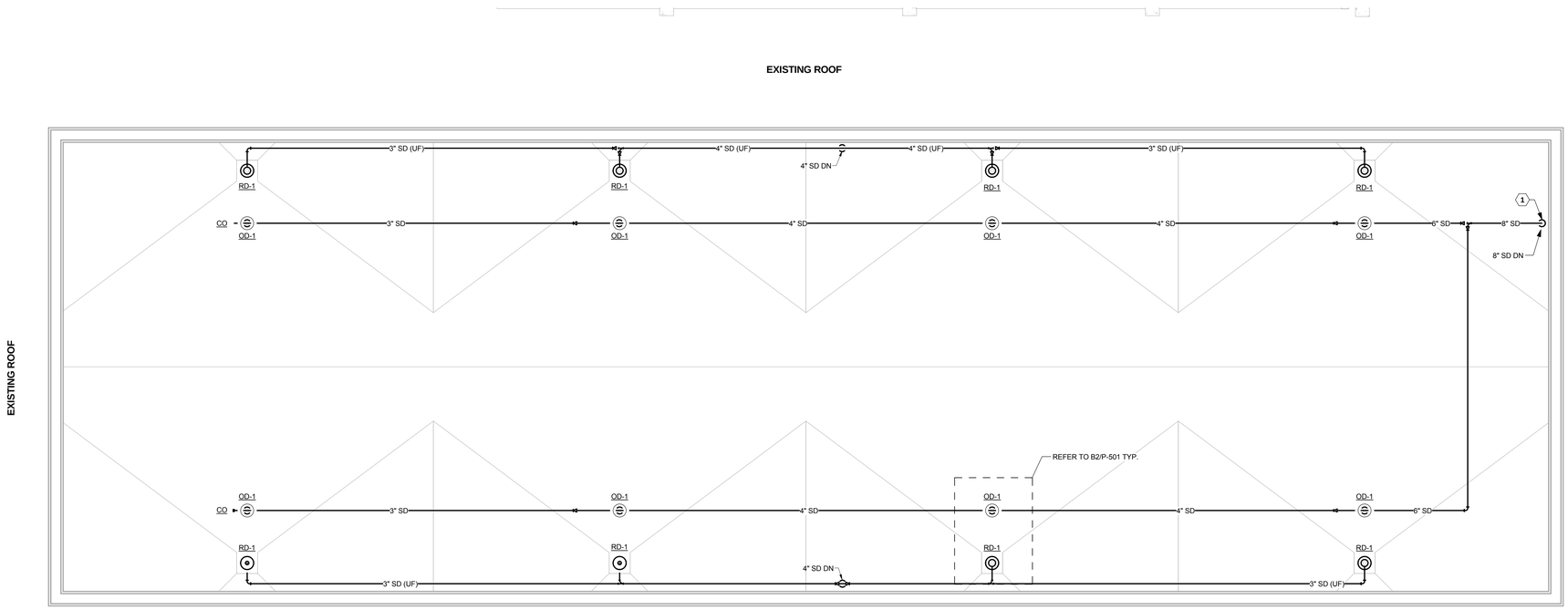
SHEET NOTES:

A. REFER TO THE SYMBOL LEGEND AND GENERAL NOTES.
B. REFER TO THE SPECIFICATIONS.
C. ALL PIPING SHOWN IS ROUTED ABOVE CEILING IN SPACE BELOW.

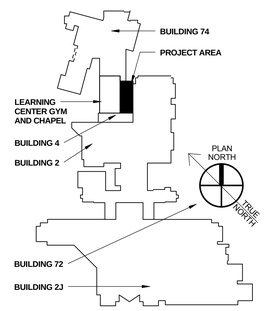
KEY NOTES:

1. ROUTE NEW 8" SD DOWN TO ABOVE CEILING. SEE CONTINUATION ON P-201.

A8 **P-301 SHEET NOTES**



F1 **NEW PLUMBING ROOF PLAN**
3/16" = 1'-0"



FULLY SPRINKLERED FACILITY

F8 **KEYPLAN**
N.T.S.

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

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STATE OF TEXAS
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L. CENSER
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DRAWING TITLE:
PLUMBING ROOF PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	JMM	CAM

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**
BUILDING NUMBER:
4
VA DRAWING NUMBER:

P-301
DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

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VA DALLAS - NLC ENCLOSURE

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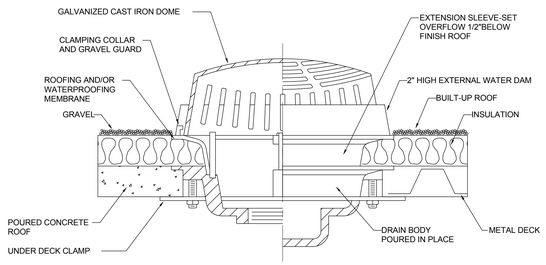
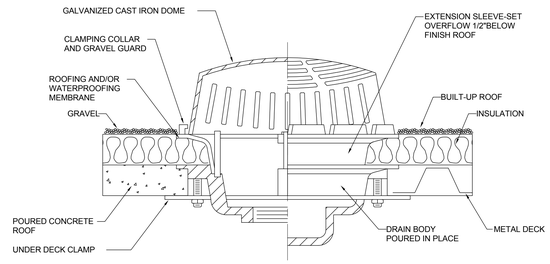


OD-1



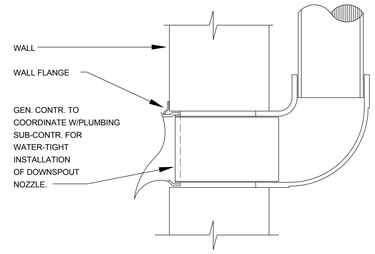
RD-1

B2 **PRIMARY-SECONDARY ROOF DRAIN**

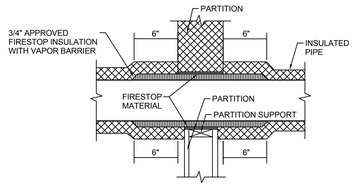
PLUMBING EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SPECIFICATION
RD-1	ROOF DRAIN	ZURN	Z100-ZRB-DP-VP-84	15" DIAMETER DURA-COATED CAST-IRON BODY WITH COMBINATION MEMBRANE FLASHING/GRAVELGUARD AND LOW SILHOUETTE BRONZE DOME. TOP-SET ADJUSTABLE ASSEMBLY, VANDAL-PROOF SECURED TOP, STAINLESS STEEL GRAVEL GUARD.
OD-1	ROOF OVERFLOW DRAIN	ZURN	Z100-ZRB-DP-VP-84-89	15" DIAMETER DURA-COATED CAST-IRON BODY WITH COMBINATION MEMBRANE FLASHING/GRAVELGUARD AND LOW SILHOUETTE BRONZE DOME. TOP-SET ADJUSTABLE ASSEMBLY, VANDAL-PROOF SECURED TOP, STAINLESS STEEL GRAVEL GUARD, 2" HIGH EXTERANL WATER DAM.
DN	DOWNSPOUT NOZZLE	ZURN	ZAB199	ALL POLISHED BRONZE BODY DOWNSPOUT NOZZEL

A6 **PLUMBING EQUIPMENT SCEDULE**



C6 **DOWNSPOUT NOZZLE DETAIL**



PARTITION PENETRATION

NOTE:

1. APPLICABLE TO PENETRATION OF ALL FIRE RATED MEMBRANES, IN ACCORDANCE WITH NFPA 101. REFER TO SPECIFICATION SECTION 07 84 00, FIRE STOPPING SYSTEMS.

D6 **PARTITION PENETRATION - PIPING DETAIL**
12" = 1'-0"

PROJECT NUMBER: 12049.00

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VA DALLAS - NLC ENCLOSURE

REVISION SCHEDULE

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DESCRIPTION:

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DRAWING TITLE:
PLUMBING SCHEDULES AND DETAILS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	JMM	CAM

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**
BUILDING NUMBER:
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VA DRAWING NUMBER:

P-501

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OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

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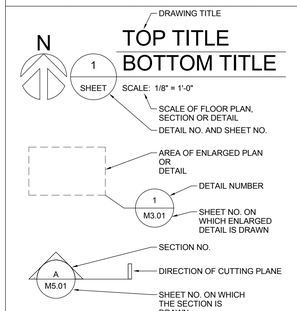
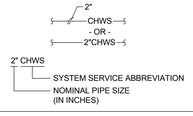
MECHANICAL SYMBOL LEGEND

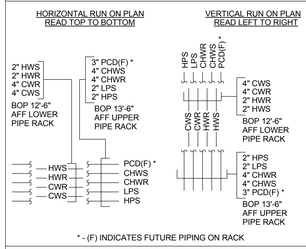
GRAPHIC SYMBOLS



PIPING DESIGNATION



MULTI-LINE KEY



MISCELLANEOUS SYMBOLS

XXX-1	EQUIPMENT DESIGNATION
	SINGLE LINE PIPE/DUCTWORK BREAK
	DOUBLE LINE PIPE/ROUND DUCTWORK BREAK
	RECTANGULAR DUCT/STANDARD BREAK
1	KEYED NOTE
1	REVISION DELTA
	POINT OF DISCONNECTION
	POINT OF CONNECTION (NEW TO EXISTING)
	NEW ITEMS (PIPING/DUCTWORK/EQUIPMENT)
	EXISTING ITEMS TO REMAIN
	EXISTING ITEMS TO BE DEMOLISHED
	LIMIT OF EXISTING ITEMS TO BE REMOVED
	NEW CONNECTION TO EXISTING ITEM
(N)	NEW ITEM (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(E)	EXISTING ITEM TO REMAIN (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(F)	FUTURE ITEM (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(R)	EXISTING ITEM TO BE RELOCATED (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(D)	EXISTING ITEM TO BE DEMOLISHED (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)

PIPE & FITTING SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
		PIPE
		DIRECTION OF FLOW / SLOPE
		PIPING WITH INSULATION (WHEN SHOWN FOR CLARITY)
		WELDED JOINT
		SCREWED JOINT
		FLANGED JOINT
		UNION
		GROOVED END JOINT
		GENERIC FLEXIBLE COUPLING (REFER TO SPECIFICATIONS)
		GROOVED END ADAPTER FLANGE
		FLANGED COUPLING ADAPTER
		STUB END OR FLANGE ADAPTER W/ FLANGE RING
		BLIND FLANGE
		ELBOW, 45 DEGREE (LONG RADIUS UON)
		ELBOW, 90 DEGREE (LONG RADIUS UON)
		ELBOW, 90 DEGREE - CHANGE IN DIRECTION TOWARD VIEWER
		ELBOW, 90 DEGREE - CHANGE IN DIRECTION AWAY FROM VIEWER
		TEE FITTING
		TEE FITTING, BRANCH TOWARD VIEWER
		TEE FITTING, BRANCH AWAY FROM VIEWER
		LATERAL
		REDUCER - CONCENTRIC
		REDUCER - ECCENTRIC
		CAP
		ANCHOR
CO	CO	CLEANOUT
		THERMOWELL WITH THERMOMETER
		PRESSURE GAUGE WITH GAUGE COCK
		STRAINER - "Y" TYPE WITH BLOW DOWN
	S	AIR SEPARATOR
M	M	WATER METER
		VENTURI FLOW METER
		FLOW ORIFICE PLATE
F&T	F&T	STEAM TRAP, TYPE AS NOTED IB = INVERTED BUCKET F&T = FLOAT & THERMOSTATIC TH = THERMODYNAMIC BP = BALANCED PRESSURE
		PUMP, ARROW INDICATES FLOW

NOTE:
WELDED FITTINGS ARE SHOWN FOR DOUBLE LINE PIPING. FITTINGS WITH OTHER END CONDITIONS ARE SIMILAR.

VALVE SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
		GATE VALVE
		BUTTERFLY VALVE
		BALL VALVE
		DIAPHRAGM VALVE
		GLOBE VALVE
		PLUG VALVE
		CHECK VALVE
		PRESSURE REDUCING VALVE
		BALANCING VALVE
		PRESSURE RELIEF VALVE
		AUTOMATIC AIR VENT
		MANUAL AIR VENT

CONTROL VALVES

DOUBLE LINE	SINGLE LINE	DESCRIPTION
T	T	TWO-WAY, TWO POSITION CONTROL VALVE
S	S	TWO-WAY, TWO POSITION CONTROL VALVE W/ SOLENOID
M	M	TWO-WAY, MODULATING CONTROL VALVE
T S	T S	THREE-WAY, TWO POSITION CONTROL VALVE
M S	M S	THREE-WAY, MODULATING CONTROL VALVE

CONTROL SYMBOLS

WALL MOUNTED DEVICES

T	TEMPERATURE SENSOR/THERMOSTAT
H	HUMIDITY SENSOR/HUMIDISTAT
M	MOTION SENSOR
R	OVERRIDE SWITCH
CO2	CARBON DIOXIDE SENSOR
CO	CARBON MONOXIDE SENSOR
VFD	VARIABLE FREQUENCY DRIVE

EQUIPMENT SYMBOLS

	ROOFTOP EXHAUST FAN (ROOF PLAN VIEW)
	ROOFTOP EXHAUST FAN (ROOF PLAN VIEW)
	INLINE EXHAUST FAN (EF), AIR HANDLING UNIT (AHU), CONDENSING UNIT (CU)
	WALL LOUVER WITH POSITIVE OR NEGATIVE AIRFLOW
UC	DOOR UNDERCUT (SPECIFY CFM IF REQUIRED)
LD	DOOR LOUVER (SPECIFY CFM IF REQUIRED)

DUCTWORK SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
AxB	AxB	RECTANGULAR OR SQUARE DUCT, DIMENSIONS ARE IN INCHES, MIN. INSIDE CLEAR, A = WIDTH, B= HEIGHT
A"Ø	A"Ø	ROUND DUCT DIMENSIONS ARE IN INCHES, MIN. INSIDE CLEAR, A = DIAMETER
AxBØ	AxBØ	FLAT OVAL DUCT DIMENSIONS ARE IN INCHES, MIN. INSIDE CLEAR, A = WIDTH, B= HEIGHT
R D	R D	DUCTWORK RISE (R) OR DROP (D) RELATIVE TO DIRECTION OF AIRFLOW
		DIRECTION OF AIR FLOW
		SUPPLY AIR OR POSITIVE PRESSURE DUCTWORK, SECTION TOWARDS/AWAY VIEWER
		SUPPLY AIR OR POSITIVE PRESSURE DUCTWORK, AIRFLOW AWAY FROM VIEWER
		RETURN AIR OR NEGATIVE PRESSURE DUCTWORK, AIRFLOW TOWARDS VIEWER
		RETURN AIR OR NEGATIVE PRESSURE DUCTWORK, AIRFLOW AWAY FROM VIEWER
		EXHAUST AIR DUCTWORK, AIRFLOW TOWARDS VIEWER
		EXHAUST AIR DUCTWORK, AIRFLOW AWAY FROM VIEWER
		RIGID ROUND DUCTWORK, AIRFLOW TOWARDS VIEWER
		RIGID ROUND DUCTWORK, AIRFLOW AWAY FROM VIEWER
		TRANSITION - ECCENTRIC REDUCER
		TRANSITION - CONCENTRIC REDUCER
		TRANSITION - SQUARE TO ROUND
		90° ELBOW WITH TURNING VANES (REQUIRED ON SUPPLY DUCTWORK)
		90° ELBOW WITHOUT TURNING VANES (RETURN OR EXHAUST DUCTWORK ONLY)
		45° ELBOW WITH TURNING VANES (REQUIRED ON SUPPLY DUCTWORK)
		45° ELBOW WITHOUT TURNING VANES (RETURN OR EXHAUST DUCTWORK ONLY)
W R		RADIUS 90° ELBOW (R = 1.5W)
W R		RADIUS 45° ELBOW (R = 1.5W)
A"Ø	A"Ø	SPIN-IN FITTING WITH FLEXIBLE DUCTWORK, DIMENSIONS ARE IN INCHES, MIN. INSIDE CLEAR, A = DIAMETER
		BRANCH TAKE-OFF WITH MVD
		CONICAL TAKE-OFF WITH MVD
		MANUAL VOLUME DAMPER
FD	FD	FIRE DAMPER
FSD	FSD	FIRE/SMOKE DAMPER
SD	SD	SMOKE DAMPER
BDD	BDD	BACKDRAFT DAMPER
M	M	MOTORIZED DAMPER
B	B	BAROMETRIC DAMPER
S	S	SMOKE DETECTOR

DUCTWORK SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
SP	SP	STATIC PRESSURE SENSOR
T	T	TEMPERATURE SENSOR
H	H	HUMIDITY SENSOR
CO2	CO2	CARBON DIOXIDE SENSOR
DP	DP	DIFFERENTIAL PRESSURE SENSOR
DPS	DPS	DIFFERENTIAL PRESSURE SAFETY SHUT-DOWN RELAY
AF	AF	AIRFLOW PROOF SWITCH
		ACCESS PANEL/CLEANOUT

AIR DISTRIBUTION

REFER TO SCHEDULE FOR ADDITIONAL INFORMATION

	SUPPLY AIR DIFFUSER
	RETURN AIR OR TRANSFER AIR GRILLE
	EXHAUST AIR GRILLE
	ROUND SUPPLY AIR DIFFUSER
	LINEAR SLOT DIFFUSER
CRD	CEILING RADIATION DAMPER
	SIDEWALL REGISTER
	DUCT MOUNTED GRILLE
S1 250 (TYP. OF 2)	AIR DISTRIBUTION CALLOUT

THIS IS A STANDARD LEGEND SHEET. SOME INFORMATION ON THIS SHEET MAY NOT NECESSARILY APPLY TO THIS PROJECT.

E3 MECHANICAL SYMBOL LEGEND

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

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REGISTRATION No. F-001731

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DRAWING TITLE: MECHANICAL SYMBOL LEGEND

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	JMM	CAM

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER: CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER: 4

VA DRAWING NUMBER: M-001

DWG ___ OF ___

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

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ABBREVIATIONS

A (0.5)	COMPRESSED AIR (WORKING PRESS.)
AAV	AUTOMATIC AIR VENT
ABV	ABOVE
AC	ALTERNATING CURRENT
A/C	AIR CONDITIONING
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR, AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
ALT	ALTITUDE
AMB	AMBIENT
AMP	AMPERE
AO	ANALOG OUTPUT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE
AS	AIR SEPARATOR
ASC	ABOVE SUSPENDED CEILING
AHJ	AUTHORITY HAVING JURISDICTION
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
B&S	BELL & SPIGOT
B/B	BACK TO BACK
BAL	BALANCE
BBR	BASE BOARD RADIATOR
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BFV	BUTTERFLY VALVE
BFBP	BOILER FEED BOOSTER PUMP
BFW	BOILER FEED WATER
BLDG	BUILDING
BHP	BRAKE HORSEPOWER
BLR	BOILER
BLW	BELOW
BO	BLOWOFF
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BV	BALL VALVE
BYP	BYPASS
°C	CELSIUS [DEGREES]
C/C	COOLING COIL
CAP	CAPACITY
CD	CONDENSATE DRAIN
CF	CHEMICAL FEED
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CH	CHILLER
CHW	CHILLED WATER
CHWP	CHILLED WATER PUMP
CHWPP	CHILLED WATER PRIMARY PUMP
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CHWSP	CHILLED WATER SECONDARY PUMP
CI	CAST IRON
CIP	CAST IRON PIPE
CKT	CIRCUIT
CKV	CHECK VALVE
CL	CENTER LINE (℄)
CONN	CONNECTION
CPD	CONDENSATE PUMP DISCHARGE
CRAC	COMPUTER ROOM A/C UNIT
CRP	CONDENSATE RETURN PUMP
CT	COOLING TOWER
CU	CONDENSING UNIT
CU FT	CUBIC FEET
CU IN	CUBIC INCH
CUH	CABINET UNIT HEATER
Cv	COEFFICIENT - VALVE FLOW
CW	COLD WATER (POTABLE)
CWP	CONDENSER WATER PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DRAIN
DB	DRY BULB
DBT	DRY BULB TEMPERATURE
dB	DECIBEL
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREES [CELSIUS OR FAHRENHEIT]
DENS	DENSITY
DEWPT	DEW POINT TEMPERATURE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DOV	DRAIN OFF VALVE
DPS	DIFFERENTIAL PRESSURE SENSOR
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
DS	DISCONNECT SWITCH
DWV	DRAIN, WASTE & VENT
EA	EXHAUST AIR
E/P	ELECTRIC PNEUMATIC
EAT	ENTERING AIR TEMPERATURE
ECON	ECONOMIZER
ECU	EVAPORATIVE COOLING UNIT
EDBT	ENTERING DRY BULB TEMPERATURE
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHUAST FAN
EFF	EFFICIENCY
EL	ELEVATION
ENT	ENTERING
EOV	ELECTRONICALLY OPERATED VALVE
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EVAP	EVAPORATOR
EWBT	ENTERING WET BULB TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
EXCH	EXCHANGER
EXH	EXHAUST
EXP	EXPANSION
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
°F	FAHRENHEIT [DEGREES]
FLA	FULL LOAD AMPS
FLG	FLANGE
FMS	FACILITY MANAGEMENT SYSTEM
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPB	FAN POWERED BOX
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FOOT, FEET
FT LB	FOOT-POUND
GA	GAUGE, GAGE
GAL	GALLON
GALV	GALVANIZED
GEN	GENERATOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GSW	GROUND SOURCE WATER (GEOTHERMAL)
GTV	GATE VALVE
HC	HEATING COIL
HD	HEAD
HG	HEAT GAIN
HGT	HEIGHT
HP	HEAT PUMP, HORSEPOWER
HPC	HIGH PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM (>100 PSI)
HR	HOUR
HS	HUMIDITY SENSOR
HSTAT	HUMIDISTAT
HVAC	HEATING, VENTILATION AND A/C
HW	HEATING WATER
HWB	HEATING WATER BOILER
HWC	HEATING WATER COIL
HWCP	HEATING WATER CIRCULATING PUMP
HWP	HEATING WATER PUMP
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
HWT	HEATING WATER TANK
HZ	HERTZ (FREQUENCY)
I/O	INPUT/OUTPUT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN WC	INCHES WATER COLUMN
INV	INVERT
IP	IRON PIPE
IPS	IRON PIPE SIZE, INCHES PER SECOND
IPT	IRON PIPE THREADED
IR	INFRARED
IW	INDIRECT WASTE
K	KELVIN, THERMAL CONDUCTIVITY
KIP	THOUSAND POUNDS
KIP FT	THOUSAND FOOT-POUNDS
KW	KILOWATT
KWh	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LB	POUNDS
LDBT	LEAVING DRY BULB TEMPERATURE
LF	LINEAR FEET
LG	LENGTH
LH	LATENT HEAT
LHG	LATENT HEAT GAIN
LP	LOW PRESSURE
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM (<15 PSI)
LRA	LOCKED ROTOR AMPS
LT	LEAVING TEMPERATURE
LTHW	LOW TEMPERATURE HOT WATER
LWBT	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
mA	MILLIAMPERES
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOV	MOTOR OPERATED VALVE
MP	MEDIUM PRESSURE
MPC	MEDIUM PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM (16-99 PSI)
MPT	MALE PIPE THREAD
MU	MAKE-UP WATER
MVD	MANUAL VOLUME DAMPER
NA	NOT APPLICABLE
NC	NOISE CRITERIA, NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN, NUMBER
NIPS	NOMINAL PIPE SIZE
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OAI	OUTSIDE AIR INTAKE
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIAMETER
OZ	OUNCE
P	PUMP
P/E	PNEUMATIC ELECTRIC
%	PERCENT
PC	PUMPED CONDENSATE
PCC	PRECOOL COIL
PD	PRESSURE DROP
POS	POSITIVE
PR	PUMPED RETURN
PG	PRESSURE GAUGE
PH	PHASE
PHC	PREHEAT COIL
PRV	PRESSURE REDUCING VALVE
PPM	PARTS PER MILLION
PLBG	PLUMBING
PRESS	PRESSURE
PS	PRESSURE SWITCH
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PTAC	PACKAGED TERMINAL A/C
Q	TOTAL, TOTAL HEAT
QT	QUART
QTY	QUANTITY
R	RELIEF, THERMAL RESISTANCE
RA	RETURN AIR
RAC	ROOM AIR CONDITIONER
RECT	RECTANGULAR
REFR	REFRIGERATION
RET	RETURN
RED	REDUCER
REV	REVOLUTIONS
REF	REFERENCE
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RHG	REFRIGERANT HOT GAS
RHV	REHEAT VALVE
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RPS	REVOLUTIONS PER SECOND
RS	REFRIGERANT SUCTION
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
S	SECOND
SA	SUPPLY AIR
SAT	SATURATION
SC	SHADING COEFFICIENT
SEER	SEASONAL EER
SF	SQUARE FEET
SG	SPECIFIC GRAVITY, STEAM GAUGE
SH	SENSIBLE HEAT
SHG	SENSIBLE HEAT GAIN
SHGC	SOLAR HEAT GAIN COEFFICIENT
SHR	SENSIBLE HEAT RATIO
SOLV	SOLENOID VALVE
SOV	SHUT OFF VALVE
SP	STATIC PRESSURE, SUMP PUMP
SPEC	SPECIFICATION
SPLY	SUPPLY
SPS	STATIC PRESSURE SENSOR
SQ	SQUARE
SSP	STAINLESS STEEL PIPE
SST	STAINLESS STEEL
STD	STANDARD
STM	STEAM
STR	STRAINER
STWP	STEAM WORKING PRESSURE
SUCT	SUCTION
SUP	SUPPLY
SV	SAFETY VALVE
T	TEMPERATURE SENSOR
T&P	TEMPERATURE AND PRESSURE
TCV	TEMPERATURE CONTROL VALVE
TD	TEMPERATURE DIFFERENCE
TEMP	TEMPERATURE
TOP	TOP OF PIPE
TRANS	TRANSFER
TSTAT	THERMOSTAT
U	HEAT TRANSFER COEFFICIENT
U/G	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VAC	VOLTS ALTERNATING CURRENT
VAR	VARIABLE
VAV	VARIABLE AIR VOLUME
VDC	VOLTS DIRECT CURRENT
VEL	VELOCITY
VENT	VENT, VENTILATION
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VP	VELOCITY PRESSURE
VRF	VARIABLE REFRIGERANT FLOW
VSD	VARIABLE SPEED DRIVE
W	WATT
WB	WET BULB
WBT	WET BULB TEMPERATURE
WC	WATER COLUMN
WG	WATER GAGE
WH	WATER HEATER
WL	WATER LINE
WLD	WELDED
WM	WATER METER
WNF	WELD NECK FLANGE
WP	WATER PUMP
WPD	WATER PRESSURE DROP
WPR	WORKING PRESSURE DROP
WSHP	WATER SOURCE HEAT PUMP
WSP	WORKING STEAM PRESSURE
WT	WEIGHT
YD	YARD, YARD DRAIN
YR	YEAR
Z	ZONE

MECHANICAL GENERAL NOTES

1. ISOLATION VALVES SHALL BE PROVIDED IN ALL BRANCH PIPING AND AT EQUIPMENT CONNECTIONS.
2. PIPING CONNECTIONS TO ALL EQUIPMENT SHALL BE FABRICATED WITH THE ISOLATION VALVES, FLANGES AND/OR UNIONS POSITIONED TO ALLOW REMOVAL AND SERVICE OF THE COMPONENT PARTS.
3. INSTALL MANUAL AIR VENTS AT THE HIGH POINTS OF THE PIPING SYSTEMS.
4. ROUTE PIPING IN AN ORDERLY MANNER AND MAINTAIN PROPER GRADES. INSTALL TO CONSERVE HEADROOM AND TO CREATE MINIMUM INTERFERENCE WITH USE OF SPACE. ROUTE ALL PIPING PARALLEL TO BUILDING LINES UON. GROUP PIPING AT COMMON BOP ELEVATIONS WHENEVER PRACTICAL. PIPES LOCATED IN CONCEALED SPACES SHALL BE ROUTED CLOSE TO BUILDING STRUCTURE UON.
5. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE OR EQUIPMENT CONNECTED.
6. INSTALL VALVES WITH STEMS UPRIGHT OR HORIZONTAL, NOT INVERTED.
7. INSTALL VALVES AND EQUIPMENT IN ACCESSIBLE LOCATIONS. INSTALL ACCESS DOORS IN PARTITIONS OR CEILINGS WHERE VALVES AND EQUIPMENT WOULD OTHERWISE BE INACCESSIBLE.
8. WHEN SOCKET WELD OR SOLDER END VALVES ARE INSTALLED, SPECIAL CARE SHALL BE TAKEN TO AVOID OVERHEATING AND DAMAGING THE VALVE BODY, TRIM OR PACKING. DAMAGED VALVES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
9. IDENTIFY EACH PIPE WITH LABELING AS REQUIRED BY SPECIFICATIONS.
10. SLEEVE ALL PIPING THAT PENETRATES FIRE RATED WALLS, FLOORS AND PARTITIONS. PENETRATIONS SHALL BE SEALED WITH A U.L. LISTED ASSEMBLY TO PROVIDE A RATING EQUAL TO OR GREATER THAN THAT OF THE PENETRATED WALL, FLOOR OR PARTITION.
11. SLEEVE ALL PIPING THAT PENETRATES EXTERIOR BUILDING WALLS AND GRADE BEAMS. SEAL PENETRATIONS WATERTIGHT.
12. COORDINATE WITH OTHER TRADES BEFORE FABRICATION OR INSTALLATION OF ANY SYSTEMS.
13. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL OFFSETS OR ELEVATION DIFFERENCES WHICH MAY BE NECESSARY FOR THE COMPLETE INSTALLATION. THESE SHALL BE PROVIDED AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM AT NO ADDITIONAL COST TO THE CONTRACT.
14. ALL NEW DUCTWORK SHALL BE EXTERNALLY INSULATED AS SPECIFIED.
15. COORDINATE ALL REMODEL WORK WITH NEW CONSTRUCTION AND OTHER TRADES.
16. THE CONTRACTOR SHALL ADJUST AND BALANCE ALL MECHANICAL SYSTEMS TO DESIGN SETTINGS AS SHOWN AND SHALL REBALANCE TO RESTORE SETTINGS OF SYSTEMS TEMPORARILY ALTERED FOR THE PURPOSES OF COMPLETING THE WORK OF THIS PROJECT.
17. NOTIFY AND COORDINATE WITH THE VA AT LEAST SEVEN DAYS PRIOR TO SHUTDOWN OF ANY BUILDING SERVICES OR EQUIPMENT. SHUTDOWN TIME SHALL BE KEPT TO A MINIMUM.
18. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF CEILING-MOUNTED HVAC DEVICES AND EQUIPMENT.
19. DUCT ROUTING CHANGES MADE BY THE CONTRACTOR FOR THE PURPOSE OF ACCOMMODATING FIELD CONDITIONS SHALL INCLUDE FIRE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS IN RATED PARTITIONS AS SHOWN IN ORIGINAL ROUTING ARRANGEMENTS.
20. FURNISH AND INSTALL ACCESS DOORS (AD) IN THE DUCTWORK IMMEDIATELY ADJACENT TO EACH FIRE DAMPER AND EACH FIRE/SMOKE DAMPER. PARTITIONS SHALL BE PROVIDED WITH ACCESS DOORS TO PROVIDE SERVICE AND ACCESS TO DAMPER ACCESS DOORS.
21. PROVIDE FIRE AND COMBINATION FIRE/SMOKE DAMPERS WHERE REQUIRED BY CODE. FIRE, SMOKE, AND COMBINATION FIRE/SMOKE DAMPERS SHALL BE UL LISTED, SHALL BEAR THE UL LABEL AND SHALL COMPLY WITH NFPA BULLETIN NO. 90A. FULLY-OPEN DAMPERS SHALL NOT HAVE ANY PROJECTIONS INTO THE AIRSTREAM.
22. NEW HOLES THROUGH EXISTING FLOORS SHALL BE CORE DRILLED. ALL CORES SHALL BE X-RAYED PRIOR TO CORING.
23. ALL DUCT SIZES SHOWN HEREIN REPRESENT INSIDE CLEAR DIMENSIONS. EXTERNAL SHEET METAL DIMENSIONS OF DUCTWORK THAT IS SPECIFIED TO BE INTERNALLY LINED SHALL BE ADJUSTED BY THE CONTRACTOR TO ALLOW FOR THICKNESS OF LINING.
24. ANY AND ALL WATER CONNECTIONS MADE FOR THE PURPOSE OF CLEANING TOOLS OR THE WORK AREA OR FOR ANY OTHER CONSTRUCTION-RELATED PURPOSES SHALL BE MADE ONLY TO DOMESTIC WATER HOSE BIBBS OR TO CONTRACTOR-SUPPLIED WATER SOURCES. APPROVED BACKFLOW PREVENTION DEVICES SHALL BE USED AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. CONNECTIONS SHALL NOT BE MADE TO FIRE WATER, CHILLED WATER, CONDENSER WATER, HEATING HOT WATER, DOMESTIC HOT WATER OR ANY OTHER TREATED WATER SOURCE UNLESS REQUIRED AS PART OF WORK ON THESE SYSTEMS.
25. EXCEPT WHERE REQUIRED AT EQUIPMENT NOZZLES, FLANGES SHALL BE RAISED FACE WELD-NECK.
26. INSTALL DIELECTRIC FITTINGS AT ALL FERROUS PIPE CONNECTIONS TO NON-FERROUS METALLIC PIPE OR EQUIPMENT.
27. BULLHEAD TEES SHALL NOT BE USED TO JOIN CONVERGING (RETURN) FLOWS, REGARDLESS OF ARRANGEMENT SHOWN ON PLANS.
28. PROVIDE ESCUTCHEON PLATES WHERE PIPES EXPOSED TO VIEW PENETRATE FINISHED WALLS, FLOORS AND CEILINGS. SPLIT-RING ESCUTCHEON PLATES SHALL NOT BE USED UON.
29. PROVIDE CAPPED DRAIN VALVES AT LOW POINTS OF PIPING SYSTEMS AND AT EQUIPMENT CONNECTIONS. PROVIDE HOSE BIBB CONNECTIONS WITH CAPS AT DRAIN VALVES WHICH DO NOT DISCHARGE DIRECTLY OVER OR ARE NOT PIPED DIRECTLY TO AN APPROPRIATE DRAIN.

E4 **MECHANICAL GENERAL NOTES AND ABBREVIATIONS**

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
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WWW.SMARCHITECTSPLLC.COM

STATE OF TEXAS 102543 LICENSED PROFESSIONAL ENGINEER
05/02/2016

PROJECT DIRECTORY:

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4131 N. CENTRAL EXPRESSWAY, SUITE 900
DALLAS, TX 75204
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HUNTER FIRE PROTECTION, INC.
15026 UNIVERSITY DRIVE
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MIKE MCKEE, PE
CAMPOS ENGINEERING, INC.
1331 RIVER BEND DR.
DALLAS, TX 75247
T. 972.874.2662
REGISTRATION No. F-001731

RICHARD GARZA
GARZA PROGRAM MANAGEMENT
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DRAWING TITLE: MECHANICAL GENERAL NOTES AND ABBREVIATIONS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	JMM	CAM

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER: CLIENT: 549-09-708 SMA: 12049.00

BUILDING NUMBER: 4

VA DRAWING NUMBER: M-002

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

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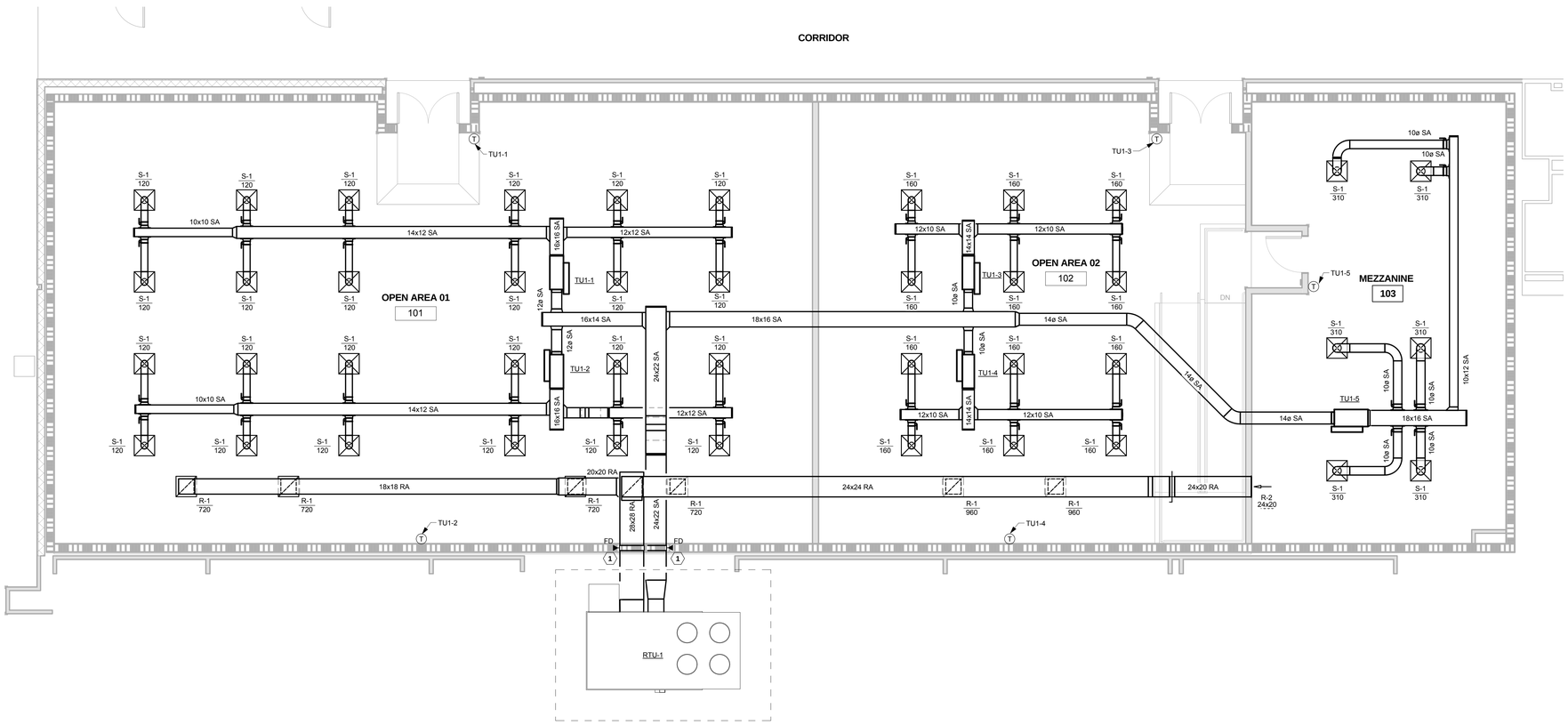
SHEET NOTES:

A. REFER TO THE SYMBOL LEGEND AND GENERAL NOTES.
B. REFER TO THE SPECIFICATIONS.
C. ALL DUCT RUNS TO DIFFUSERS ARE 8"Ø UNLESS OTHERWISE NOTED.
D. PAINT ALL EXPOSED DUCTWORK FLAT BALCK. REFER TO ARCHITECT FOR EXACT SPECIFICATION.

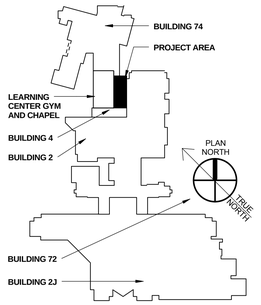
KEY NOTES: (#)

1. SEAL DUCT PENETRATIONS WATER TIGHT. COVER ANNULAR SPACE WITH STAINLESS STEEL FLANGE.

A8 M-201 SHEET NOTES



F1 NEW MECHANICAL FLOOR PLAN
3/16" = 1'-0"



FULLY SPRINKLERED FACILITY

F8 KEYPLAN
N.T.S.

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
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DRAWING TITLE: MECHANICAL FLOOR PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	JMM	CAM

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**
BUILDING NUMBER: 4
VA DRAWING NUMBER:

M-201

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

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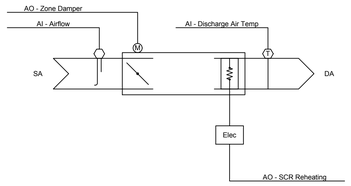
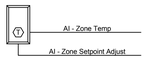




A1 VAV WITH ELECTRIC REHEAT CONTROLS DIAGRAM

N.T.S.

Variable Air Volume - Terminal Unit

Run Conditions - Scheduled:
The unit shall run according to a user definable time schedule in the following modes:
• Occupied Mode: The unit shall maintain
• A 74°F (adj.) cooling setpoint
• A 70°F (adj.) heating setpoint.

• Unoccupied Mode (night setback): The unit shall maintain
• A 85°F (adj.) cooling setpoint.
• A 55°F (adj.) heating setpoint.

Alarms shall be provided as follows:
• High Zone Temp: If the zone temperature is greater than the cooling setpoint by a user definable amount (adj.).
• Low Zone Temp: If the zone temperature is less than the heating setpoint by a user definable amount (adj.).

Zone Setpoint Adjust:
The occupant shall be able to adjust the zone temperature heating and cooling setpoints at the zone sensor.

Reversing Variable Volume Terminal Unit - Flow Control:
The unit shall maintain zone setpoints by controlling the airflow through one of the following:

Occupied:
• When zone temperature is greater than its cooling setpoint, the zone damper shall modulate between the minimum occupied airflow (adj.) and the maximum cooling airflow (adj.) until the zone is satisfied.
• When the zone temperature is between the cooling setpoint and the heating setpoint, the zone damper shall maintain the minimum required zone ventilation (adj.).
• When zone temperature is less than its heating setpoint, the controller shall enable heating to maintain the zone temperature at its heating setpoint. Additionally, if warm air is available from the AHU, the zone damper shall modulate between the minimum occupied airflow (adj.) and the maximum heating airflow (adj.) until the zone is satisfied.

Unoccupied:
• When the zone is unoccupied the zone damper shall control to its minimum unoccupied airflow (adj.).
• When the zone temperature is greater than its cooling setpoint, the zone damper shall modulate between the minimum unoccupied airflow (adj.) and the maximum cooling airflow (adj.) until the zone is satisfied.
• When zone temperature is less than its unoccupied heating setpoint, the controller shall enable heating to maintain the zone temperature at the setpoint. Additionally, if warm air is available from the AHU, the zone damper shall modulate between the minimum unoccupied airflow (adj.) and the auxiliary heating airflow (adj.) until the zone is satisfied.

Electric Reheating Stages:
The controller shall measure the zone temperature and stage the reheating to maintain its setpoint. To prevent short cycling, there shall be a user definable (adj.) delay between stages, and each stage shall have a user definable (adj.) minimum runtime.

The reheating shall be enabled whenever:
• Outside air temperature is less than 65°F (adj.).
• AND the zone temperature is below setpoint.
• AND sufficient airflow is provided.

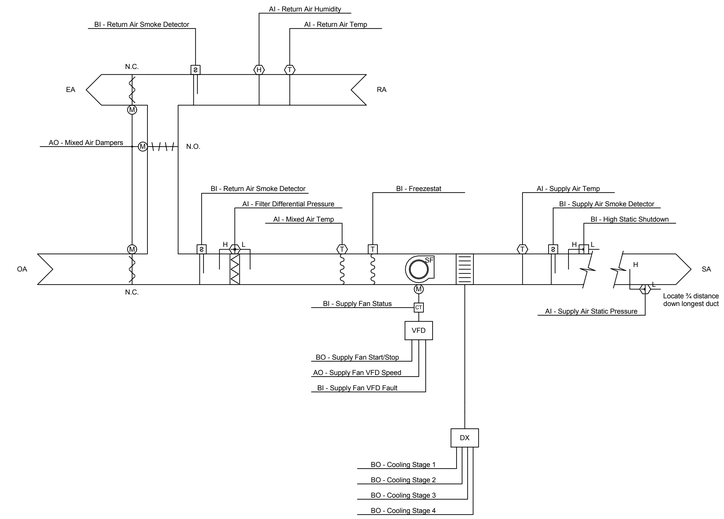
Discharge Air Temperature:
The controller shall monitor the discharge air temperature.

Alarms shall be provided as follows:
• High Discharge Air Temp: If the discharge air temperature is greater than 120°F (adj.).

D1 VAV SEQUENCE OF OPERATION

	Hardware Points				Software Points						
Point Name	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Zone Temp	x								x		x
Zone Setpoint Adjust	x										x
Airflow	x								x		x
Discharge Air Temp	x								x		x
Zone Damper		x									x
Reheating Stage 1		x							x		x
Airflow Setpoint					x				x		x
Heating Mode						x			x		
Schedule								x			
Heating Setpoint									x		x
Cooling Setpoint									x		x
High Zone Temp										x	
Low Zone Temp										x	
High Discharge Air Temp										x	
Low Discharge Air Temp										x	
Totals	**4**	**2**	**0**	**0**	**1**	**1**	**0**	**1**	**8**	**4**	**9**
	Total Hardware (6)				**Total Software (15)**						

F1 VAV POINTS LIST



C5 RTU-1 CONTROLS DIAGRAM

N.T.S.

	Hardware Points				Software Points						
Point Name	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Supply Air Static Pressure	x								x	x	x
Filter Differential Pressure	x								x		
Mixed Air Temp	x								x		x
Return Air Humidity	x								x		x
Return Air Temp	x								x		x
Supply Air Temp	x								x		x
Supply Fan VFD Speed		x							x		x
Mixed Air Dampers		x							x		x
Freezestat			x						x	x	x
High Static Shutdown			x						x	x	x
Return Air Smoke Detector			x						x	x	x
Supply Air Smoke Detector			x						x	x	x
Supply Fan VFD Fault			x							x	x
Supply Fan Status			x						x		x
Supply Fan Start/Stop				x					x		x
Cooling Stage 1				x					x		x
Cooling Stage 2				x					x		x
Cooling Stage 3				x					x		x
Cooling Stage 4				x					x		x
Supply Air Static Pressure Setpoint					x				x		x
Supply Air Temp Setpoint					x				x		x
Economizer Mixed Air Temp Setpoint					x				x		x
High Supply Air Static Pressure										x	
Low Supply Air Static Pressure										x	
Supply Fan Failure										x	
Supply Fan in Hand										x	
Supply Fan Runtime Exceeded										x	
High Supply Air Temp										x	
Compressor Runtime Exceeded										x	
Low Supply Air Temp										x	
Prefilter Change Required										x	x
Final Filter Change Required										x	x
High Mixed Air Temp										x	
Low Mixed Air Temp										x	
High Return Air Humidity										x	
Low Return Air Humidity										x	
High Return Air Temp										x	
Low Return Air Temp										x	
High Supply Air Temp										x	
Low Supply Air Temp										x	
Totals	6	2	6	5	3	0	0	0	21	24	23
	Total Hardware (19)				Total Software (48)						

F4 RTU-1 POINTS LIST

RTU-1 SQUENCE OF OPERATION

Run Conditions - Requested:
The unit shall run whenever:
• Any zone is occupied.
• OR a definable number of unoccupied zones need heating or cooling.

Freeze Protection:
The unit shall shut down and generate an alarm upon receiving a freezestat status.

High Static Shutdown:
The unit shall shut down and generate an alarm upon receiving an high static shutdown signal.

Return Air Smoke Detection:
The unit shall shut down and generate an alarm upon receiving a return air smoke detector status.

Supply Air Smoke Detection:
The unit shall shut down and generate an alarm upon receiving a supply air smoke detector status.

Supply Fan:
The supply fan shall run anytime the unit is commanded to run, unless shutdown on safeties. To prevent short cycling, the supply fan shall have a user definable (adj.) minimum runtime.

Alarms shall be provided as follows:
• Supply Fan Failure: Commanded on, but the status is off.
• Supply Fan in Hand: Commanded off, but the status is on.
• Supply Fan Runtime Exceeded: Status runtime exceeds a user definable limit (adj.).

Supply Air Duct Static Pressure Control:
The controller shall measure duct static pressure and shall modulate the supply fan VFD speed to maintain a duct static pressure setpoint of 1.5in H2O (adj.).
The supply fan VFD speed shall not drop below 30% (adj.).

Alarms shall be provided as follows:
• High Supply Air Static Pressure: If the supply air static pressure is 25% (adj.) greater than setpoint.
• Low Supply Air Static Pressure: If the supply air static pressure is 25% (adj.) less than setpoint.
• Supply Fan VFD Fault.

Supply Air Temperature Setpoint - Optimized:
The controller shall monitor the supply air temperature and shall maintain a supply air temperature setpoint reset based on zone cooling and heating requirements

The supply air temperature setpoint shall be reset for cooling based on zone cooling requirements as follows:
• The initial supply air temperature setpoint shall be 55°F (adj.).
• As cooling demand increases, the setpoint shall incrementally reset down to a minimum of 53°F (adj.).
• As cooling demand decreases, the setpoint shall incrementally reset up to a maximum of 72°F (adj.) .

If more zones need heating than cooling, then the supply air temperature setpoint shall be reset for heating as follows:
• The initial supply air temperature setpoint shall be 82°F (adj.).
• As heating demand increases, the setpoint shall incrementally reset up to a maximum of 85°F (adj.).
• As heating demand decreases, the setpoint shall incrementally reset down to a minimum of 72°F (adj.).

Cooling Stages:
The controller shall measure the supply air temperature and stage the cooling to maintain its cooling setpoint. To prevent short cycling, there shall be a user definable (adj.) delay between stages, and each stage shall have a user definable (adj.) minimum runtime.

The cooling shall be enabled whenever:
• Outside air temperature is greater than 60°F (adj.).
• AND the economizer (if present) is disabled or fully open.
• AND the supply fan status is on.
• AND the heating (if present) is not active.

Alarms shall be provided as follows:
• High Supply Air Temp: If the supply air temperature is 5°F (adj.) greater than setpoint.

Low Supply Air Temperature Alarm:
The controller shall alarm if the supply air temperature is less than 45°F (adj.).

Economizer:
The controller shall measure the mixed air temperature and modulate the economizer dampers in sequence to maintain a setpoint 2°F (adj.) less than the supply air temperature setpoint. The outside air dampers shall maintain a minimum adjustable position of 20% (adj.) open whenever occupied.

The economizer shall be enabled whenever:
• Outside air temperature is less than 65°F (adj.).
• AND the outside air enthalpy is less than 22Btu/lb (adj.)
• AND the outside air temperature is less than the return air temperature.
• AND the outside air enthalpy is less than the return air enthalpy.
• AND the supply fan status is on.

The economizer shall close whenever:
• Mixed air temperature drops from 40°F to 35°F (adj.)
• OR the freezestat (if present) is on.
• OR on loss of supply fan status.

The outside and exhaust air dampers shall close and the return air damper shall open when the unit is off. If Optimal Start Up is available the mixed air damper shall operate as described in the occupied mode except that the outside air damper shall modulate to fully closed.

Minimum Outside Air Ventilation - Fixed Percentage:
The outside air dampers shall maintain a minimum adjustable position during building occupied hours and be closed during unoccupied hours.

Filter Differential Pressure Monitor:
The controller shall monitor the differential pressure across the prefilter.

Alarms shall be provided as follows:
• Filter Change Required: Prefilter differential pressure exceeds a user definable limit (adj.).

Mixed Air Temperature:
The controller shall monitor the mixed air temperature and use as required for economizer control (if present) or preheating control (if present).

Alarms shall be provided as follows:
• High Mixed Air Temp: If the mixed air temperature is greater than 90°F (adj.).
• Low Mixed Air Temp: If the mixed air temperature is less than 45°F (adj.).

Return Air Humidity:
The controller shall monitor the return air humidity and use as required for economizer control (if present) or humidity control (if present).

Alarms shall be provided as follows:
• High Return Air Humidity: If the return air humidity is greater than 70% (adj.).
• Low Return Air Humidity: If the return air humidity is less than 35% (adj.).

Return Air Temperature:
The controller shall monitor the return air temperature and use as required for setpoint control or economizer control (if present).

Alarms shall be provided as follows:
• High Return Air Temp: If the return air temperature is greater than 90°F (adj.).
• Low Return Air Temp: If the return air temperature is less than 45°F (adj.).

Supply Air Temperature:
The controller shall monitor the supply air temperature.

Alarms shall be provided as follows:
• High Supply Air Temp: If the supply air temperature is greater than 120°F (adj.).
• Low Supply Air Temp: If the supply air temperature is less than 45° F (adj.).

F6 RTU-1 SQUENCE OF OPERATIONS

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972.285.2630 F. 972.285.4922
WWW.SMARCHITECTSPLLC.COM

STATE OF TEXAS — LICENSED PROFESSIONAL ENGINEER — 05/02/2016

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DRAWING TITLE: MECHANICAL CONTROLS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	Checker	Author

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER: CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER: 4

VA DRAWING NUMBER: M-401

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

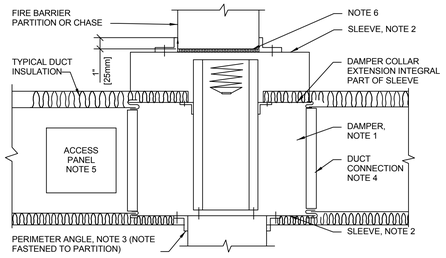
Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

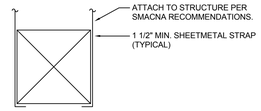
If this sheet is not 30" by 42", it is a reduced print; and thus, must be scaled accordingly.



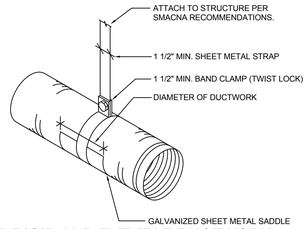
NOTE:

1. A VERTICAL DAMPER IS SHOWN. HORIZONTAL DAMPER INSTALLATION, 1S SIMILAR. FOLLOW DAMPER MANUFACTURER'S INSTRUCTIONS, INCLUDING FASTENER OPTIONS AND GAGES FOR SLEEVE AND PERIMETER ANGLES. FIRE DAMPERS MUST BE INSTALLED IN THE PARTITION OR FLOOR AND NOT OUTSIDE THE PENETRATION.
2. GALVANIZED SLEEVE: GAGE NOT LESS THAN CONNECTING DUCT. FASTEN SLEEVE TO DAMPER FRAME AND TO PERIMETER ANGLES.
3. PERIMETER ANGELS: GALVANIZED STEEL, NOT LESS THAN 1 1/2"x1 1/2" [40x40mm], 14 GAGE, TO PROVIDE 1" [25mm] MINIMUM OVERLAP OF OPENING ON ALL 4 SIDES.
4. BREAKAWAY DUCT CONNECTION: CONTRACTOR'S OPTION OF TYPES SHOWN IN SMACNA.
5. ACCESS PANELS: SIZE AND LOCATION TO PERMIT SERVICING THE FUSIBLE LINK OR LINKS.
6. PROVIDE 1/4" TO 1/2" [6 TO 15mm] CLEARANCE ON HEIGHT AND WIDTH. FILL OPEN SPACE WITH ROCK WOOL FIRESTOP FIBER.

C1 FIRE DAMPER DETAIL



SQUARE AND RECTANGULAR DUCTWORK

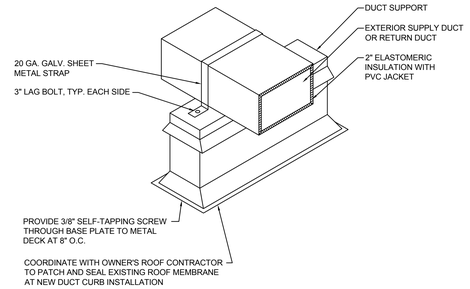


ROUND RIGID AND FLEXIBLE DUCTWORK

NOTES:

1. DO NOT USE POWDER POWERED FASTENING SYSTEMS TO ATTACH SUPPORTS TO STRUCTURE.
2. ALL CHANNEL SECTIONS SHALL BE HOT DIPPED GALVANIZED.
3. SUPPORT SYSTEM MUST NOT DAMAGE DUCT, INSULATION, OR CAUSE DUCT SHAPE DEFORMATION.
4. HANGER SIZES SHALL BE IN ACCORDANCE WITH SMACNA, LATEST EDITION.

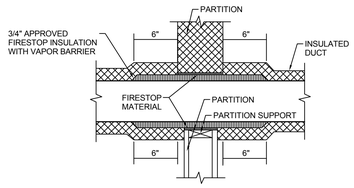
C3 DUCTWORK SUPPORT DETAIL



NOTES:

1. COORDINATE INSTALLATION WITH OWNER AND COMPLY WITH ALL REQUIREMENTS NECESSARY TO MAINTAIN EXISTING ROOF WARRANTY.
2. PREFABRICATED GALVANIZED STEEL SUPPORT WITH P.T. WOOD NAILER. EQUAL TO THE PATE CO., MODEL NO. ES-2 (TYP.)

B4 ROOF MOUNTED DUCTWORK DETAIL

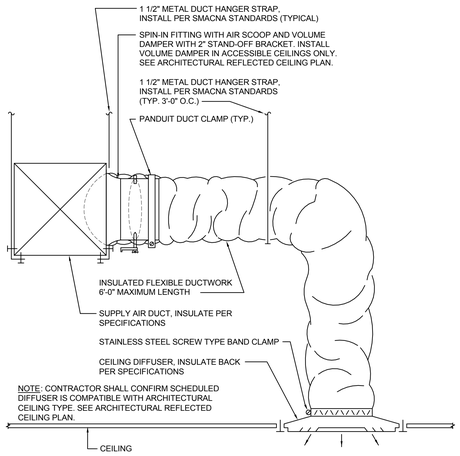


PARTITION PENETRATION

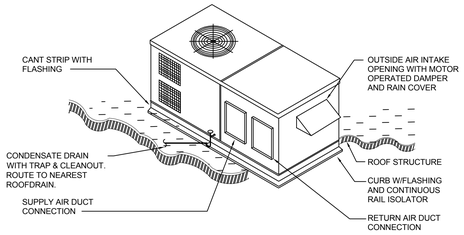
NOTE:

1. APPLICABLE TO PENETRATION OF ALL FIRE RATED MEMBRANES, IN ACCORDANCE WITH NFPA 101. REFER TO SPECIFICATION SECTION 07 84 00, FIRE STOPPING SYSTEMS.

D3 FIRE RATED PARTITION PENETRATION



D4 CEILING DIFFUSER DETAIL



NOTE:

1. FURNISH AND INSTALL PROPER CURB AND FLASHING AS REQUIRED PROVIDE LAG BOLTS AND STRAPS TO CURB AND UNIT.
2. PROVIDE FULL PERIMETER SPRING ISOLATION ROOF CURB, MODEL "RSC" AS MANUFACTURED BY MASON IND.

F4 ROOFTOP UNIT DETAIL

PACKAGED ROOFTOP DX COOLING UNIT SCHEDULE

SYMBOL	SUPPLY CFM	O.A. CFM	EXTERNAL STATIC PRESSURE	COOLING DATA TOTAL BTU/HR	SENSIBLE BTU/HR	ENT. AIR TEMP DB	WB	COND. DEG. F.	EER @ ARI	ELECTRIC HEATING DATA KW	CAPACITY (BTU/HR)	STEPS	VOLT.	PH.	INDOOR FAN DATA HP	VOLT.	PH.
RTU-1	6660	1080	2.5	222,500	179,100	81	65	105	11.00	N/A	N/A	N/A	N/A	N/A	7.5	460	3

SYMBOL	CONDENSER FAN DATA NO.	HP (EA.)	VOLT.	PH.	COMPRESSOR DATA NO.	RLA (EA.)	LRA (EA.)	VOLT.	PH.	UNIT ELECTRICAL DATA NO. CON.	MCA	MOCP	VOLT.	PH.	PHYSICAL CHARACTERISTICS DIMENSIONS L x W x H (IN.)	WEIGHT
RTU-1	4	1/3	460	3	4	7.8	52	460	3	1	47.7	50	460	3	181x92x53	2902

SYMBOL	MANUFACTURER	MODEL NUMBER	REMARKS
RTU-1	JCI	J20ZJC00K4C2RAD5K1	ALL

REWMARKS:

1. PROVIDE SPRING ISOLATION BASE.
2. PROVIDE 5 YEAR EXTENDED COMPRESSOR WARRANTY.
3. PROVIDE 5 MINUTE COMPRESSOR TIME DELAY RELAY.
4. PROVIDE COMPRESSOR CRANKCASE HEATER.
5. PROVIDE THREE PHASE PROTECTION MONITOR.
6. PROVIDE OUTSIDE AIR INTAKE WITH MOTOR OPERATED DAMPER.
7. PROVIDE HOT GAS BYPASS VALVE.
8. PROVIDE FILTER RACK WITH 2"MERV 8 FILTERS.
9. PROVIDE VARIBLE FRQUENCY DRIVE.
10. PROVIDE MANUAL RESET LOW PRESSSURE SWITCH.
11. PROVIDE MANUAL RESET HIGH PRESSURE SWITCH.
12. PROVIDE DUAL REFRIGERATION CIRCUITS.
13. PROVIDE LOW AMBIENT HEAD PRESSURE CONTROL.
14. PROVIDE SCROLL COMPRESSOR.
15. PROVIDE FOIL FACED FIBERGLASS INSULATION.
16. PROVIDE CONDENSER COIL GUARDS.
17. PROVIDE BIRD SCREEN.

B6 PACKAGED ROOFTOP UNIT SCHEDULE

VARIABLE AIR VOLUME TERMINAL UNITS SCHEDULE

SYMBOL	LOCATION SERVED	AIR DATA MAX. CFM	MIN. CFM	ELECTRICAL DATA VOLT	PH	ELECTRIC HEATING DATA KW	CFM	STEPS	MAX. N.C.	INLET SIZE (IN. DIA.)	OUTLET SIZE (IN. DIA.)	MANUFACTURER	MODEL NO.	REMARKS
TU1-1	LARGE RM NORTH	1440	275	460	3	5.0	425	SCR	25	12	16x14	TITUS	DESV	ALL
TU1-2	LARGE RM SOUTH	1440	275	460	3	5.0	425	SCR	25	12	16x14	TITUS	DESV	ALL
TU1-3	SMALL RM NORTH	960	190	460	3	3.5	300	SCR	25	10	14x12	TITUS	DESV	ALL
TU1-4	SMALL RM SOUTH	960	190	460	3	3.5	300	SCR	25	10	14x12	TITUS	DESV	ALL
TU1-5	MEZZININE	1860	170	460	3	6.5	575	SCR	25	14	20x18	TITUS	DESV	ALL

REMARKS:

1. PROVIDE FACTORY MOUNTED DIGITAL ELECTRONIC CONTROLLER AND REMOTE WALL MOUNTED SENSOR WITH ADJUSTABLE SETPOINTS FOR VAV COOLING AND HEATING WITH DUAL MINIMUM FLOWS. SEE SPECIFICATIONS FOR CONTROL SYSTEM REQUIREMENTS AND COORDINATE WITH CONTROL SUBCONTRACTOR WHERE APPLICABLE.
2. PROVIDE CONTROL POWER TRANSFORMER.
3. PROVIDE SINGLE POINT POWER CONNECTION.
4. PROVIDE 22 GAGE GALVANIZED STEEL UNIT CASING.
5. PROVIDE 1" THICK FOIL FACED INSULATION.
6. PROVIDE BALANCED ELECTRIC HEAT.

C6 VAV WITH ELECTRIC HEAT SCHEDULE

AIR DISTRIBUTION SCHEDULE

SYMBOL	DESCRIPTION	MODULE SIZE	MATERIAL	FINISH	NECK SIZE	DAMPER	BORDER FRAME TYPE	PATTERN	MAX. PRESS. DROP	MAX. N.C.	MANUF.	MODEL NUMBER	REMARKS
S-1	SQUARE SUPPLY AIR CEILING DIFFUSER, ONE PIECE CONSTRUCTION, NO CORNER JOINTS AND ROUND NECK DUCT CONNECTION.	24 X 24	ALUMINUM	WHITE	SAME AS DUCT SIZE ON PLANS	NO	LAY-IN PANEL	SEE PLANS	0.10	30	TITUS	OMNI-AA	-
R-1	PERFORATED RETURN AIR GRILLE WITH SQUARE OR ROUND DUCT COLLAR AND HEAVY GAUGE STEEL BACK PLATE.	24 X 24	ALUMINUM	WHITE	SAME AS DUCT SIZE ON PLANS	NO	LAY-IN PANEL	N/A	0.10	30	TITUS	PAR-AA	-
R-2	RETURN AIR GRILLE WITH 35 DEGREE FIXED DEFLECTION BLADES ON 3/4" CENTERS BLADES ARE PARALLEL TO LONG DIMENSION. CORNERS SHALL BE WELDED. DAMPER SHALL BE OPERABLE FROM FACE OF GRILLE.	N/A	ALUMINUM	WHITE	SAME AS DUCT SIZE ON PLANS	NO	SURFACE MOUNT	N/A	0.10	30	TITUS	350FL	2

REMARKS:

1. PROVIDE FILTER BACK STYLE TYPE GRILLE WITH 1" THICK FILTER.
2. PROVIDE RAPID MOUNT FRAME.

E6 AIR DISTRIBUTION SCHEDULE

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972.285.2630 F. 972.285.4922
WWW.SMARCHITECTSPLLC.COM

STATE OF TEXAS — LICENSED PROFESSIONAL ENGINEER — 05/02/2016

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SM ARCHITECTS, PLLC
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DRAWING TITLE: MECHANICAL SCHEDULES AND DETAILS

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

PROJECT NUMBER: CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER: 4

DATE: 05/02/2016 | CHECKED: JMM | DRAWN: CAM

VA DRAWING NUMBER:

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

M-501

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

If this sheet is not 30" by 42", it is a reduced print; and thus, must be scaled accordingly.

ELECTRICAL ABBREVIATIONS

(ALL ABBREVIATIONS MAY NOT APPEAR ON DRAWINGS.)

2SCP	2-SPEED, CONSEQUENT POLE
2SSW	2-SPEED, SEPARATE WINDING
A	AMPERE(S)
AC	ALTERNATING CURRENT
ACCU	AIR-COOLED CONDENSING UNIT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFC	ABOVE FINISHED CEILING
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY(ROOT MEAN SQUARE ALTERNATE)
ALT	ALTERNATE
APPROX	APPROXIMATE OR APPROXIMATELY
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AWG	AMERICAN WIRE GAGE
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOT	BOTTOM OF TRAY
C	CONDUIT OR TUBING
CAT NO.	CATALOG NUMBER
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED-CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CND	CONDUCTOR
COMM	COMMUNICATIONS
CONT	CONTINUATION
CT(S)	CURRENT TRANSFORMER(S)
DC	DIRECT CURRENT
DISC	DISCONNECT
DIV	DIVISION
DPDT	DOUBLE-POLE, DOUBLE THROW
DPST	DOUBLE POLE, SINGLE THROW
DWG(S)	DRAWING(S)
EC	EMPTY CONDUIT OR TUBING
EGS	ENGINE-GENERATOR SET
EHH	ELECTRICAL HANDHOLE
ELEC	ELECTRIC/ELECTRICAL
ELEV	ELEVATION
EMERG	EMERGENCY
EMH	ELECTRICAL MANHOLE
EMT	ELECTRICAL METALLIC TUBING
EQPT	EQUIPMENT
ES	ENERGY SAVING
EWC	ELECTRICAL WATER COOLER
EWH	ELECTRICAL WATER HEATER
EX	EXISTING
EXH	EXHAUST
F	FUSE(S)
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY VA
FL	FLOOR
FLA	FULL LOAD AMPERE(S)
FLEX	FLEXIBLE
FS	FUSIBLE SAFETY SWITCH/FUSIBLE SWITCH
FUT	FUTURE
FVNR	FULL VOLTAGE, NON-REVERSING
FVR	FULL VOLTAGE, REVERSING
G	GROUND
GFI	GROUND FAULT CIRCUIT INTERRUPT
GS	GALVANIZED STEEL
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HZ	HERTZ
IES	ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA
IG	ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
INST	INSTRUMENT/INSTRUMENTATION
JBOX	JUNCTION BOX
KA	KILOAMPERE(S)
KW	KILOWATTS(S)
KWH	KILOWATT+HOUR(S)
KV	KILOVOLT(S)
KVA	KILOVOLT-AMPERE(S)
KVAR	KILOVOLT-AMPERE(S) REACTIVE
LPF	LOW POWER FACTOR
LPS	LOW PRESSURE SODIUM
LTG	LIGHTING
m	METER(S)
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MECH	MECHANICAL
MEZZ	MEZZANINE
MH	METAL HALIDE
MIC	MICROPHONE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
mm	MILLIMETER(S)
MMS	MANUAL MOTOR STARTER
MTD	MOUNTED
MTR	MOTOR
MTS	MANUAL TRANSFER SWITCH
MV	MEDIUM VOLTAGE
MVA	MEGAVOLT-AMPERE(S)
MVAR	MEGAVOLT-AMPERE(S) REACTIVE
MW	MEGAWATT(S)
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NF	NON-FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NFS	NON-FUSIBLE SAFETY SWITCH
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OH	OVERHEAD
P	POLE(S)
PA	PUBLIC ADDRESS SYSTEM
PF	POWER FACTOR
PL	PILOT LIGHT
PNL	PANELBOARD
PVC	POLYVINYL CHLORIDE
RC	REMOTE CONTROL
RCP	REFLECTED CEILING PLAN
REC	RECEPTACLES(S)
RGS	RIGID GALVANIZED STEEL
RVSS	REDUCED VOLTAGE, SOLID STATE
SF	SQUARE FOOT OR FEET
SPDT	SINGLE-POLE, DOUBLE-THROW
SPST	SINGLE-POLE, SINGLE-THROW
SS	START-STOP
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TA	TRIP AMPERE(S)
TAS	TEXAS ACCESSIBILITY STANDARDS
TEL	TELEPHONE
TEMP	TEMPORARY
TU	TEXAS UTILITIES ELECTRIC
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES, INC.
UPS	UNINTERRUPTIBLE POWER SUPPLY
UNO	UNLESS NOTED OTHERWISE
V	VOLTAGE OR VOLT(S)
VA	VETERAN AFFAIRS
VA	VOLT-AMPERE(S)
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
W	WATT(S)
WP	WEATHERPROOF
W/	WITH
W/O	WITHOUT
XFMR	TRANSFORMER
XP	EXPLOSION-PROOF
△	DELTA
#	NUMBER
□	PHASE(S)

ELECTRICAL CONVENTIONS

LB-3 — PANELBOARD, SWITCHBOARD OR MOTOR CONTROL CENTER DESIGNATION

BRANCH CIRCUIT HOMERUN TO PANELBOARD. SHOWING LEFT TO RIGHT HOT AND NEUTRAL EQUIPMENT GROUNDING CONDUCTOR (EGC) NOT SHOWN. EGC TO BE RUN WITH ALL CIRCUITS SIZED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE (NEC)

CONDUIT CONCEALED

CONDUIT UNDERGROUND

CONDUIT EXPOSED

CONDUIT CAPPED OFF

CONDUIT CONTINUED

CONDUIT RUN UP

CONDUIT RUN DOWN

EXISTING

NEW

DEMO

DETAIL #

DETAIL SYMBOL

DRAWING NO. TO REFER TO

H1A-1 — CIRCUIT NUMBER

A — LIGHT FIXTURE TYPE

— LIGHT SWITCHING CONFIGURATION

SPECIAL RECEPTACLE SCHEDULE

A	FLUSH MULTI-SERVICE 6" ROUND FURNITURE FEED TYPE LEGRAND 6ATCFF 152CHA SERIES POKE-THRU OR APPROVED EQUIVALENT. COORDINATE EXACT LOCATION WITH FURNITURE MANUFACTURER AND VA PRIOR TO ROUGH-IN. COORDINATE WITH ARCHITECT FOR FINISH. CONTRACTOR TO INCLUDE ALL ACCESSORIES TO INSTALL DEVICE. CONTRACTOR TO COORDINATE THIS DEVICE WITH THE ACTUAL FLOOR TYPE.

STANDARD MINIMUM WIRE SIZE CHART

(SIZE CONDUCTORS AND CONDUIT TO STANDARD MINIMUM WIRE SIZE CHART UNLESS NOTED OTHERWISE ON DRAWINGS. UPSIZE CONDUCTORS AND CONDUIT AS NECESSARY TO COMPENSATE FOR VOLTAGE DROP.)

AMPS	PHASE	HOT #	HOT #	HOT #	NEUTRAL #	GROUND #	CONDUIT SIZE (IN)
20	1	12	---	---	12	12	3/4
20	3	12	12	12	12	12	3/4
30	3	10	10	10	10	10	3/4
50	3	6	6	6	6	10	1
125	3	1	1	1	1	6	2

NOTE:
1) 120V/20A CIRCUIT CONDUCTORS GREATER THAN 100 FT IN LENGTH SHALL BE UPSIZED TO A MINIMUM #10.
2) 277V/20A CIRCUIT CONDUCTORS GREATER THAN 150 FT IN LENGTH SHALL BE UPSIZED TO A MINIMUM #10

ELECTRICAL SYMBOLS LIST

(ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.)

A	1X4 FIXTURE - SEE SCHEDULE LETTER DENOTES TYPE OF LIGHT FIXTURE	$M	MOTOR RATED SWITCH	F	MANUAL PULL STATION
A	1X4 FIXTURE ON EMERGENCY CIRCUIT LETTER DENOTES TYPE OF LIGHT FIXTURE	$MS	MANUAL MOTOR STARTER	F	STROBE LIGHT
A	2X2 FIXTURE - SEE SCHEDULE LETTER DENOTES TYPE OF LIGHT FIXTURE		MAGNETIC STARTER OR CONTACTOR	F	STROBE LIGHT - CEILING MOUNTED
A	2X2 FIXTURE ON EMERGENCY CIRCUIT LETTER DENOTES TYPE OF LIGHT FIXTURE	J	JUNCTION BOX	F	HORN
A	2X4 FIXTURE - SEE SCHEDULE LETTER DENOTES TYPE OF LIGHT FIXTURE	PB	PULL BOX	F	HORN - CEILING MOUNTED
A	2X4 FIXTURE ON EMERGENCY CIRCUIT LETTER DENOTES TYPE OF LIGHT FIXTURE		POWER/COMMUNICATIONS POLE	F	HORN/STROBE
A	STRIP FIXTURE - SEE SCHEDULE LETTER DENOTES TYPE OF LIGHT FIXTURE	A	FLOOR MTD SPECIAL RECEPTACLE. LETTER DENOTES CONFIGURATION. SEE SCHEDULE.	F	HORN/STROBE - CEILING MOUNTED
A	STRIP FIXTURE ON EMERGENCY CIRCUIT - SEE SCHEDULE LETTER DENOTES TYPE OF LIGHT FIXTURE	A	WALL MTD SPECIAL RECEPTACLE. LETTER DENOTES CONFIGURATION. SEE SCHEDULE.	F	BELL
A	DOWNLIGHT FIXTURE - SEE SCHEDULE LETTER DENOTES TYPE OF LIGHT FIXTURE		DUPLEX RECEPTACLE	Z	SMOKE DETECTOR
A	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT - SEE SCHEDULE, LETTER DENOTES TYPE OF LIGHT FIXTURE	H	HORIZONTALLY MOUNTED DUPLEX RECEPTACLE	H	HEAT DETECTOR
A	SUSPENDED 4" DIRECT FIXTURE - SEE SCHEDULE LETTER DENOTES TYPE OF LIGHT FIXTURE		DOUBLE DUPLEX RECEPTACLE	D	DUCT DETECTOR
A	SUSPENDED 4" DIRECT FIXTURE ON EMERGENCY CIRCUIT - SEE SCHEDULE, LETTER DENOTES TYPE OF LIGHT FIXTURE		GROUND FAULT INTERRUPTION DOUBLE DUPLEX RECEPTACLE	M	MAGNETIC DOOR HOLDER
	EMERGENCY BATTERY FIXTURE - SEE SCHEDULE		GROUND FAULT INTERRUPTION RECEPTACLE	FS	FLOW SWITCH
	CLG MTD EXIT LIGHT - SHADING INDICATES NUMBER OF FACES WITH ORIENTATION - SEE SCHEDULE	WP	WEATHERPROOF RECEPTACLE	TS	TAMPER SWITCH
	CLG MTD EXIT LIGHT - SHADING INDICATES NUMBER OF FACES WITH ORIENTATION - SEE SCHEDULE	EWC	GFI RECEPTACLE FOR ELECTRIC WATER COOLER	R	ADDRESSABLE RELAY MODULE
	CLG MTD EXIT LIGHT - SHADING INDICATES NUMBER OF FACES WITH ORIENTATION - SEE SCHEDULE		DOUBLE DUPLEX RECEPTACLE PROTECTED BY GFI BREAKER	CM	ADDRESSABLE CONTROL MODULE
	WALL MTD EXIT LIGHT - SHADING INDICATES NUMBER OF FACES WITH ORIENTATION - SEE SCHEDULE	CT	COUNTERTOP RECEPTACLE	FACP	FIRE ALARM CONTROL PANEL - ('FACP')
	POLE MTD SITE LIGHTING FIXTURE		VOICE/DATE DEVICE WITH MINIMUM 1" C. TO ABOVE CEILING 18" TO CENTER	FAAP	FIRE ALARM ANNUNCIATOR PANEL - ('FAAP')
	BOLLARD LIGHT FIXTURE	H	HORIZONTALLY MOUNTED VOICE/DATE DEVICE WITH MINIMUM 1" C. TO ABOVE CEILING 18" TO CENTER	FARP	FIRE ALARM REMOTE PANEL - ('FARP')
PC	PHOTOCELL (MATCH CONTACTOR COIL VOLTAGE AS REQUIRED)	W	TELECOMMUNICATIONS WALL MTD WALL OUTLET WITH MINIMUM 1" C. TO ABOVE CEILING 48" TO CENTER	FAPS	FIRE ALARM POWER SUPPLY
OS	CLG MTD OCCUPANCY SENSOR		TELECOMMUNICATIONS TERMINAL BOARD		
VS	CLG MTD VACANCY SENSOR	TV	TELEVISION DEVICE JUNCTION BOX WITH 1" C. TO ABOVE ACCESSIBLE CEILING		
$OS	WALL MTD OCCUPANCY SENSOR/SWITCH	TC	DIGITAL PROGRAMMABLE TIME CLOCK		
$	TOGGLE SWITCH - SPST	S	CEILING MOUNTED SPEAKER		
$K	KEY-OPERATED SWITCH		ELECTRIC HEATING COIL		
$3	THREE-WAY TOGGLE SWITCH		ELECTRIC MOTOR		
$T	TIMER SWITCH	30/3/1	NON-FUSED DISCONNECT SWITCH (AMPS/POLES/NEMA RATING)		
$a	SUPERSCRIPT DENOTES FIXTURE BEING CONTROLLED	30/3/25/3R	FUSED DISCONNECT SWITCH (AMPS/POLES/FUSE RATING/NEMA RATING)		
	DIMMER SWITCH - SINGLE POLE	30/3/25/3R/00	COMBINATION DISCONNECT SWITCH/MOTOR STARTER (AMPS/POLES/FUSE RATING/NEMA RATING/STARTER SIZE)		
3	DIMMER SWITCH - THREE WAY	VFD	VARIABLE FREQUENCY DRIVE		
4	DIMMER SWITCH - FOUR WAY		EXISTING ELECTRICAL PANEL		
a	SUPERSCRIPT DENOTES FIXTURE BEING CONTROLLED		ELECTRICAL PANEL		
M	UTILITY METER		DISTRIBUTION PANEL		
	SWITCH		TRANSFORMER		
	FUSE, X=FUSE SIZE		GROUND OR GROUND ROD AS NOTED		
	GROUND		GROUND BAR		
	CIRCUIT BREAKER	MSB	MASTER GROUND BUSBAR		
	TRANSFORMER	SSGB	SUB-SYSTEM GROUND BUSBAR (SSGB)		
	AUTOMATIC TRANSFER SWITCH	CAEC	CARD ACCESS EQUIPMENT CABINET		
	CURRENT TRANSFORMER	CR	CARD READER		
		DR	DOOR RELEASE SWITCH - MOUNTED AT 48" AFF, UNLESS OTHERWISE NOTED		
		DC	SECURITY DOOR CONTACT		
			AUTOMATIC DOOR ASSIST PUSH BUTTON - MOUNTED AT 48" AFF TO TOP OF PUSH PLATE, UNLESS OTHERWISE NOTED		
			MOTION SENSOR		

REVISION SCHEDULE

No.	DESCRIPTION	DATE

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05/02/2016

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DRAWING TITLE:
ELECTRICAL SYMBOL LEGEND

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	RWW	MCL

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER:
4

VA DRAWING NUMBER:

E-001

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

If this sheet is not 30" by 42", it is a reduced print; and thus, must be scaled accordingly.

GENERAL NOTES FOR DEMOLITION

1. REMOVE EXISTING WORK AS INDICATED ON THE DRAWINGS OR AS REQUIRED TO CLEAR THE AREAS OF NEW CONSTRUCTION.
2. ALL EQUIPMENT REMOVED THAT IS NOT BEING REUSED SHALL REMAIN THE PROPERTY OF THE VA AND SHALL BE STORED OR DISPOSED OF AS DIRECTED.
3. WHERE EXISTING RACEWAYS THAT ARE NOT TO BE REUSED INTERFERE WITH NEW WORK, THESE RACEWAYS SHALL BE REMOVED BACK TO THE NEAREST ACTIVE JUNCTION BOX OR ACTIVE PULL BOX AND THE OPENINGS BLANKED.
4. MAINTAIN CONTINUITY OF BRANCH CIRCUITS SERVING MULTIPLE ITEMS OF WHICH ONE OR MORE ARE BEING DEMOLISHED. CONDUCTORS AND CONDUITS FOR THOSE ITEMS BEING DEMOLISHED SHALL BE REMOVED AS FAR AS PRACTICAL.
5. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT NOT REUSED OR NOT NECESSARY FOR THE COMPLETION OF THIS PROJECT.
6. COORDINATE ALL DEMOLITION WORK WITH ALL TRADES.
7. PROVIDE CORE DRILLING AND FIRE STOPPING AT ALL CONDUIT PENETRATIONS THROUGH EXISTING FLOOR SLABS AND WALLS TO MAINTAIN A 2-HOUR FIRE RATING. USE UL LISTED METHODS AND MATERIALS.
8. REPAIR AS REQUIRED THE CEILINGS, WALLS AND FLOORS TO MATCH THE SURROUNDING AREAS WHERE ITEMS ARE TO BE REMOVED AND NOT REPLACED.

GENERAL NOTES FOR EXISTING CONDITIONS

1. EXISTING CONDITIONS AND UTILITIES INDICATED ARE TAKEN FROM EXISTING CONSTRUCTION DOCUMENTS, VARIOUS SURVEYS AND FIELD INVESTIGATIONS. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. VISIT THE SITE PRIOR TO BID AND FIELD VERIFY EXISTING CONDITIONS. NOTIFY THE ENGINEER WHERE EXISTING CONDITIONS ARE IN CONFLICT WITH THE CONSTRUCTION DOCUMEN COOPERATION WITH OTHER TRADES IN ROUTING AND/OR BURIAL DEPTHS AS DETERMINED DURING CONSTRUCTION AND AS DIRECTED BY THE ARCHITECT/ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED A PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES, ETC., PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT. PROVIDE ADDITIONAL LABOR AND MATERIALS DURING CONSTRUCTION AS NECESSARY TO:
   - A. ACCOMMODATE EXISTING CONDITIONS FOR THE INSTALLATION OF NEW WORK.
   - B. REPAIR OR REWORK EXISTING SYSTEMS TO REMAIN SO THEY COMPLY WITH THE MINIMUM CODES. PROVIDE A COMPLETE, CODE COMPLIANT AND OPERABLE SYSTEMS AT NO ADDITIONAL COST TO THE VA.
2 WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, TAKE EXTREME CARE TO PREVENT DAMAGE DURING REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, REPLACE OR REPAIR THE EQUIPMENT TO THE SATISFACTION OF THE ENGINEER, AT NO ADDITIONAL COST TO THE VA. THOROUGHLY CLEAN, RELAMP AND, IF REQUIRED, PAINT ALL ITEMS BEFORE INSTALLING AT THEIR NEW LOCATION. PATCH AND PAINT AREAS AFFECTED BY WORK UNDER THIS CONTRACT TO MATCH ADJACENT WALL OR CEILING FINISH.
3. EXCEPT AS OTHERWISE NOTED, ALL EXISTING ELECTRICAL WORK WHICH WILL NOT BE RENDERED OBSOLETE AND WHICH MAY BE DISTURBED DUE TO ANY CHANGES REQUIRED UNDER THIS CONTRACT SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION. OTHER WORK OR MATERIAL RENDERED OBSOLETE BY THE WORK IN THIS PROJECT SHALL BE COMPLETELY REMOVED. JUNCTION BOXES RECESSED IN WALLS NOT TO BE REUSED SHALL BE PROVIDED WITH BLANK COVERPLATES. ANY CONDUITS STUBBED OUT OF MASONRY SURFACE SHALL BE CUT INTO SURFACE AND PATCHED.
4. WHERE EXISTING ELECTRICAL WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE DISCONNECTED AND RELOCATED AND/OR RECONNECTED TO COORDINATE WITH THE WORK INDICATED ON THE CONTRACT DOCUMENTS AND AS SPECIFIED.
5. ALL EQUIPMENT INDICATED TO REMAIN IN PLACE SHALL REMAIN IN NORMAL OPERATION AT ALL TIMES DURING CONSTRUCTION. IF ANY BRANCH CIRCUIT WIRING FEEDING THIS EQUIPMENT IS DAMAGED DURING CONSTRUCTION, REPLACE WITH NEW BRANCH CIRCUIT WIRING OF THE SAME SIZE AND TYPE AS EXISTING AT NOT COST TO THE VA.
6. UPDATE EXISTING PANELBOARD SCHEDULE TO REFLECT ALL CHANGES MADE DURING THE PROJECT.
7. LOCATE ALL EXISTING UTILITIES AND PROTECT THEM FROM DAMAGE.
8. REMOVE EXISTING POWER, LIGHTING, SYSTEMS MATERIALS AND EQUIPMENT WHICH ARE MADE OBSOLETE OR WHICH INTERFERE WITH THE CONSTRUCTION OF THE PROJECT.
9. REINSTALL ANY SUCH POWER, LIGHTING, SYSTEMS, MATERIALS AND EQUIPMENT WHICH ARE REQUIRED TO REMAIN ACTIVE FOR THE FACILITY TO BE FULLY FUNCTIONAL.
10. ALL RECEPTACLES, DEVICES, LIGHTING, SYSTEMS AND EQUIPMENT NOT SHOWN, AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. FURNISH AND INSTALL ACCESSIBLE JUNCTION BOXES AND REWORK EXISTING CIRCUITS AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO RECEPTACLES, DEVICES, LIGHTING, SYSTEMS AND EQUIPMENT.
11. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
12. REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES.
13. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS WHICH ARE NOT REMOVED.
14. DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND DISTRIBUTION EQUIPMENT.
15. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.
16. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED.
17. WHERE INSTALLING NEW CIRCUIT BREAKERS IN EXISTING PANELBOARDS. PROVIDE SAME MANUFACTURER TYPE, STYLE AND A.I.C. RATING AS EXISTING CIRCUIT BREAKERS IN THE EXISTING PANELBOARD.
18. SCREENED ELECTRICAL INDICATES EXISTING TO REMAIN ACTIVE, UNLESS NOTED OTHERWISE.
19. ALL CONDUIT AND WIRE REMOVED SHALL BE TAKEN BACK TO THE SOURCE OF SUPPLY.

GENERAL NOTES FOR ALL ELECTRICAL WORK

1. ELECTRICAL LAYOUT DRAWINGS ARE PARTIALLY DIAGRAMMATIC. INSTALL ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL STEEL OR OTHER SYSTEMS. LOCATE LIGHTING FIXTURES IN SYMMETRICAL PATTERNS AND IN PROPER ALIGNMENT WITH BUILDING FEATURES EXCEPT WHERE DIMENSIONED ON THE DRAWINGS OR LOCATED ON THE REFLECTED CEILING PLANS.
2. ALL WORK SHALL BE PERFORMED IN SUCH A MANNER TO CREATE MINIMAL POWER OUTAGES FOR THE VA. ALL SUCH OUTAGES SHALL BE CAREFULLY COORDINATED WITH THE VA SO THAT POWER TO ESSENTIAL SERVICES CAN BE MAINTAINED.
3. PROVIDE ADDITIONAL SUPPORTS FOR SWITCHES, STARTERS, RACEWAYS AND OTHER ELECTRICAL EQUIPMENT WHEREVER THE BUILDING STRUCTURE IS NOT SUITABLE FOR DIRECT MOUNTING.
4. SYMBOLS IN THE LEGEND ARE APPLICABLE GENERALLY. FOR EXACT REQUIREMENTS, REFER TO THE SCHEDULES, LAYOUTS, DETAILS AND TO THE SPECIFICATIONS. THE APPEARANCE OF A PARTICULAR SYMBOL IN THE LEGEND DOES NOT NECESSARILY IMPLY THAT THE ITEM IS INCLUDED IN THE CONTRACT.
5. MOUNT GROUPED DEVICES IN A SINGLE CONTINUOUS GANG BOX. USE PARTITIONS WHERE VOLTAGE BETWEEN EXPOSED LIVE PARTS OF ADJACENT SWITCHES MAY EXCEED 300 VOLTS.
6. SEAL CONDUITS THAT ENTER CONDITIONED AREAS FROM NON-CONDITIONED AREAS TO FORM A TIGHT SEAL.
7. ALL CONDUIT TO BE CONCEALED UNLESS IMPOSSIBLE DUE TO EXISTING CONDITIONS (I.E. EXPOSED STRUCTURAL CEILINGS, BUILDING EXTERIOR WALLS). CONCEAL ALL CONDUITS ABOVE CEILINGS OR WITHIN WALLS AND COUNTERS.
   - A. ALL NEW DEVICES TO BE FLUSH MOUNTED UNLESS SPECIFICALLY NOTED OTHERWISE.
   - B. INSTALL FLEXIBLE CONDUIT DOWN EXISTING WALLS TO NEW FLUSH OUTLETS. (IF EXISTING WALLS DO NOT CONTAIN HOLLOW VERTICAL CAVITIES AND IT IS NOT FEASIBLE TO CONCEAL THE CONDUIT THEN EXPOSED WIREMOLD PAINTED TO MATCH THE WALL SHALL BE USED).
8. SIZE EQUIPMENT GROUNDING CONDUCTORS PER THE NATIONAL ELECTRICAL CODE (NEC) 250-122.
9. WHEN TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
10. ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE AND DIVISION 16 OF THE SPECIFICATION.
11. THE FLOOR, WALLS OR CEILING THAT REQUIRE TO BE MODIFIED TO INSTALL NEW DEVICES SHALL BE REPAIRED/PATCHED TO MATCH THE SURROUNDING AREA.
12. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL INSTALLER PRIOR TO ROUGH-IN.
13. THE USE OF ANY PROCESS INVOLVING ASBESTOS OR PCB, AND THE INSTALLATION OF ANY PRODUCT, INSULATION, COMPOUND OF MATERIAL CONTAINING OR INCORPORATING ASBESTOS OR PCB, IS PROHIBITED. THE REQUIREMENTS OF THIS SPECIFICATION FOR A COMPLETE AND PROPERLY OPERATING SHALL BE MET WITHOUT THE USE OF ASBESTOS OR PCB.
14. VISIT THE EXISTING FACILITY AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED.
15. CONTRACTOR SHALL INCLUDE IN HIS BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES, REGULATIONS AND GUIDELINES APPLICABLE.
   - A. LAMPS, BALLASTS AND OTHER MATERIALS SHALL BE TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH ALL DEP AND EPA GUIDELINES.
   - B. THE CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATION THAT ALL MATERIALS WHERE RECYCLED OR DISPOSED OF PROPERLY PER THE GUIDE LINE NOTED ABOVE.
16. PANEL SCHEDULES INDICATE CIRCUIT DESIGNATIONS ONLY. CONTRACTOR TO PROVIDE MATERIALS AS REQUIRED WHEN NEUTRALS ARE SHARED TO COMPLY WITH NEC REQUIREMENTS. ALL SINGLE PHASE MULTIWIRE BRANCH CIRCUITS SHALL BE FED VIA A TWO POLE BREAKER OR TWO SINGLE POLE BREAKERS WITH AN IDENTIFIED HANDLE TIE. ALL THREE PHASE MULTIWIRE BRANCH CIRCUITS SHALL BE FED VIA A THREE POLE BREAKER OR THREE SINGLE POLE BREAKERS WITH AN IDENTIFIED HANDLE TIE (PER NEC 210.4B).
17. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE IDENTIFIED BY PHASE OR LINE AND SYSTEM AT ALL TERMINATION, CONNECTION AND SPLICE POINTS. THIS IDENTIFICATION METHOD SHALL BE DOCUMENTED IN A MANNER THAT IS READILY AVAILABLE OR SHALL BE PERMANENTLY POSTED AT EACH BRANCH CIRCUIT PANELBOARD OR SIMILAR DISTRIBUTION EQUIPMENT (PER NEC 210.5C).
THE VOLTAGES INDICATED SHALL BE MARKED AS FOLLOWS:

208/120V WIRING	480/277V WIRING
PHASE A - BLACK	PHASE A - BLUE
PHASE B - RED	PHASE B - ORANGE
PHASE C - BLUE	PHASE C - YELLOW
NEUTRAL - WHITE	NEUTRAL - GREY
GROUND - GREEN	GROUND - GREEN

GENERAL NOTES FOR FIRE ALARM

1. SMOKE DETECTORS SHALL BE INSTALLED MINIMUM 3'-0" FROM HVAC SUPPLY AIR DIFFUSERS.
2. REFERENCE MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL DUCT DETECTORS, FIRE/SMOKE DAMPERS AND CONTROL DAMPERS. CONNECT ALL FIRE/SMOKE DAMPERS, SHAFT VENT AND CONTROL DAMPERS TO 120V CIRCUIT IF REQUIRED. CONTRACTOR TO ENSURE CONNECTION OF THESE DEVICES IS INCLUDED IN THE BID. CONTRACTOR TO ENSURE CIRCUIT UTILIZED IS NOT OVERLOADED.
3. PROVIDE INTERLOCKS TO THE BUILDING FIRE ALARM SYSTEM TO PROVIDE AUTOMATIC SIGNALING TO AN APPROVED LOCATION WITH ADEQUATE DIALING AND COMMUNICATION SYSTEM TO ALERT THE LOCAL FIRE DEPARTMENT. A LEASED TELEPHONE LINE WILL BE PROVIDED BY THE VA.
4. ALL JUNCTION BOXES AND COVER PLATES TO EMERGENCY SYSTEM SHALL BE PAINTED RED FOR QUICK RECOGNITION.
5. SEE INDIVIDUAL ENLARGED SUITE PLANS FOR LOCATIONS OF SMOKE DETECTORS IN SUITE ROOMS.
6. CONTRACTOR SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES. CONTRACTOR SHALL PROVIDE A COMPLETE FIRE ALARM SYSTEM THAT IS COMPLIANT WITH ALL CODES.
7. VERIFY LOCATION OF THE FIRE ALARM CONTROL AND ANNUNCIATOR (WHERE REQUIRED) PANELS WITH THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO ROUGH-IN.
8. WHERE THE AHJ DETERMINES THAT AN EXISTING CONDITION CREATES A NUISANCE, DUCT DETECTORS SHALL REPORT TO FIRE ALARM CONTROL PANEL AS A SUPERVISORY SIGNAL.
9. CONNECT ACCESSIBLE REMOTE TEST STATION FOR DUCT DETECTOR WHERE REQUIRED BY MECHANICAL DRAWINGS. OBTAIN LOCATIONS AND REQUIREMENTS FOR MECHANICAL DRAWINGS.
10. ALL BUILDINGS SHALL HAVE APPROVED RADIO COVERAGE FOR EMERGENYC RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEM OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING.
11. LOW FREQUENCY AUDIBLE ALARMS ARE REQUIRED IN ALL SLEEPING AREAS. ENSURE DEVICES SUPPLIED IN THESE AREAS COMPLY WITH THIS REQUIREMENT.
12. ALL WIRE/CABLE FOR INITIATING AND INDICATING CIRCUITS SHALL COMPLY WITH NFPA 70, ARTICLE 760. ALL WIRE SHALL BE RUN IN CONDUIT, WHERE WIRE IS SUBJECT TO DAMAGE, WHICH SHALL BE RUN IN NEAT AND ORDERLY MANNER AS HIGH AS POSSIBLE.
13. CONNECTION FOR FIRE ALARM CONTROL PANEL(S) TO 120 VOLT POWER SUPPLY SHALL BE ON A DEDICATED BRANCH CIRCUIT. THE CIRCUIT DISCONNECTING MEANS SHALL HAVE A RED MARKING, BE LOCAKABLE, BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL AND BE IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL". THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
14. SEAL PENETRATIONS OF RATED WALLS TO MAINTAIN THE INTEGRITY OF THE WALL ASSEMBLY.
15. PENETRATIONS OF EXTERIOR WALLS AND ROOF DECK SHALL BE WEATHER PROOFED.
16. PROVIDE UNISTRUT SUPPORT RACK AT ALL LOCATIONS OF MORE THAN A SINGLE CONDUIT. CONDUITS SHALL BE MOUNTED TO THE TOP OF SUPPORT RACK USING SPLIT UNISTRUT CLAMPS AND JUNCTION BOXES SHALL BE ORIENTED FOR ACCESS FROM BELOW.
17. WHERE EXPOSED CONDUIT MUST BE USED, CONDUITS SHALL BE GROUPED AND MOUNTED ON CHANNEL BOLTED SECURELY TO BUILDING STRUCTURE.
18. FIRE ALARM CONTRACTOR SHALL COORDINATE CONDUIT AND CONDUCTOR SIZES WITH SYSTEMS VENDOR AND SHALL PROVIDE MATERIAL AS REQUIRED.
19. ALL WIRE RUN EXPOSED IN AIR PLENUM SHALL UTILIZE PLENUM RATED CABLE.
20. ALL STROBE CANDELA RATINGS SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS.

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
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05/02/2016

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DRAWING TITLE: ELECTRICAL GENERAL NOTES

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

DATE: 05/02/2016 | CHECKED: RWW | DRAWN: MCL

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER: CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER: 4

VA DRAWING NUMBER: E-002

DWG ___ OF ___

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

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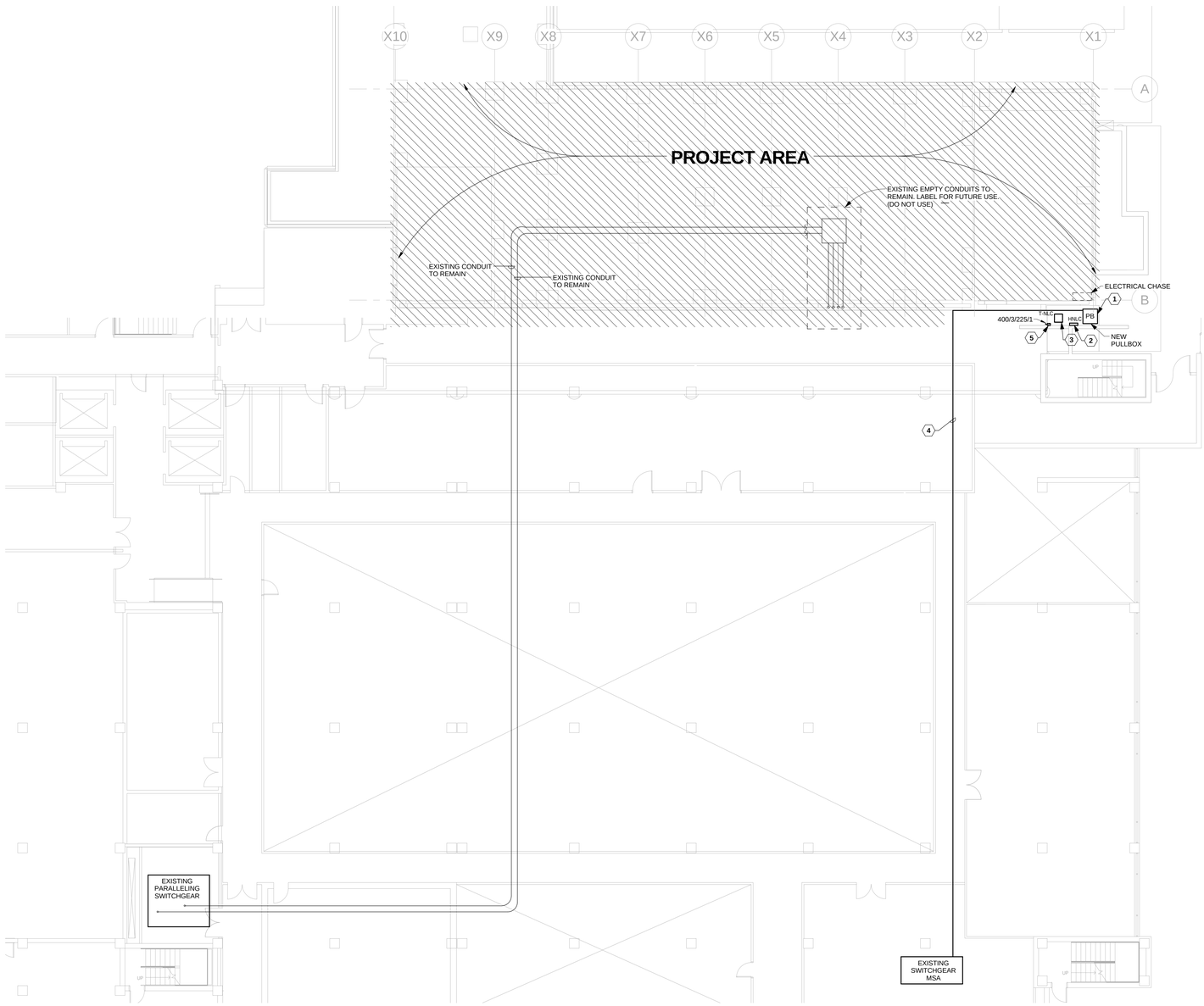


F1 NEW ELECTRICAL BASEMENT PLAN
3/32" = 1'-0"

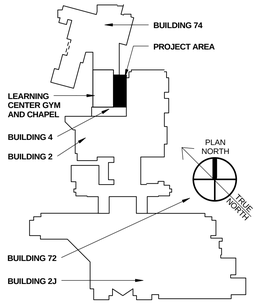
SHEET NOTES:

A. REFER TO THE SYMBOL LEGEND AND GENERAL NOTES.
B. REFER TO THE SPECIFICATIONS.
C. ALL FLOOR PENETRATIONS SHALL BE COORDINATED WITH STRUCTURAL DRAWINGS.

KEY NOTES:

1. PROVIDE PULL BOX IN UPPER CORNER OF BASEMENT TIGHT TO STRUCTURE. SIZE PULLBOX TO ALLOW FOR A MINIMUM OF (3) 4" CONDUIT TO BE ROUTED THRU PULL BOX. COORDINATE LOCATION OF PULL BOX WITH ELECTRICAL CHASE.
2. PROVIDE NEW PANELBOARD INSTALLED ON UNISTRUT. VERIFY PANEL IS NOT LOCATED IN FROM OF ACCESS WINDOW. SHIFT LEFT OR RIGHT AS REQUIRED. EXTEND BRANCH CIRCUITS UP THRU ELECTRICAL CHASE TO DEVICES INDICATED ON DRAWINGS. REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
3. PROVIDE NEW 75KVA PAD MOUNTED TRANSFORMER.
4. ROUTE FEEDER AND EMPTY CONDUITS TIGHT TO STRUCTURE AND ABOVE CEILING. FIELD VERIFY EXACT ROUTE THROUGH EXISTING BUILDING. REFER TO RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.
5. PROVIDE NEW FUSED DISCONNECT SWITCH FOR PROTECTION OF FEEDER ON SECONDARY SIDE OF TRANSFORMER. INSTALL ON UNISTRUTS.

A8 E-100 SHEET NOTES



FULLY SPRINKLERED FACILITY

F8 KEYPLAN
N.T.S.

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
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DRAWING TITLE:
ELECTRICAL FLOOR PLAN - BASEMENT

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE: 05/02/2016 | CHECKED: RWW | DRAWN: MCL

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**

BUILDING NUMBER:
4

VA DRAWING NUMBER:

E-100

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

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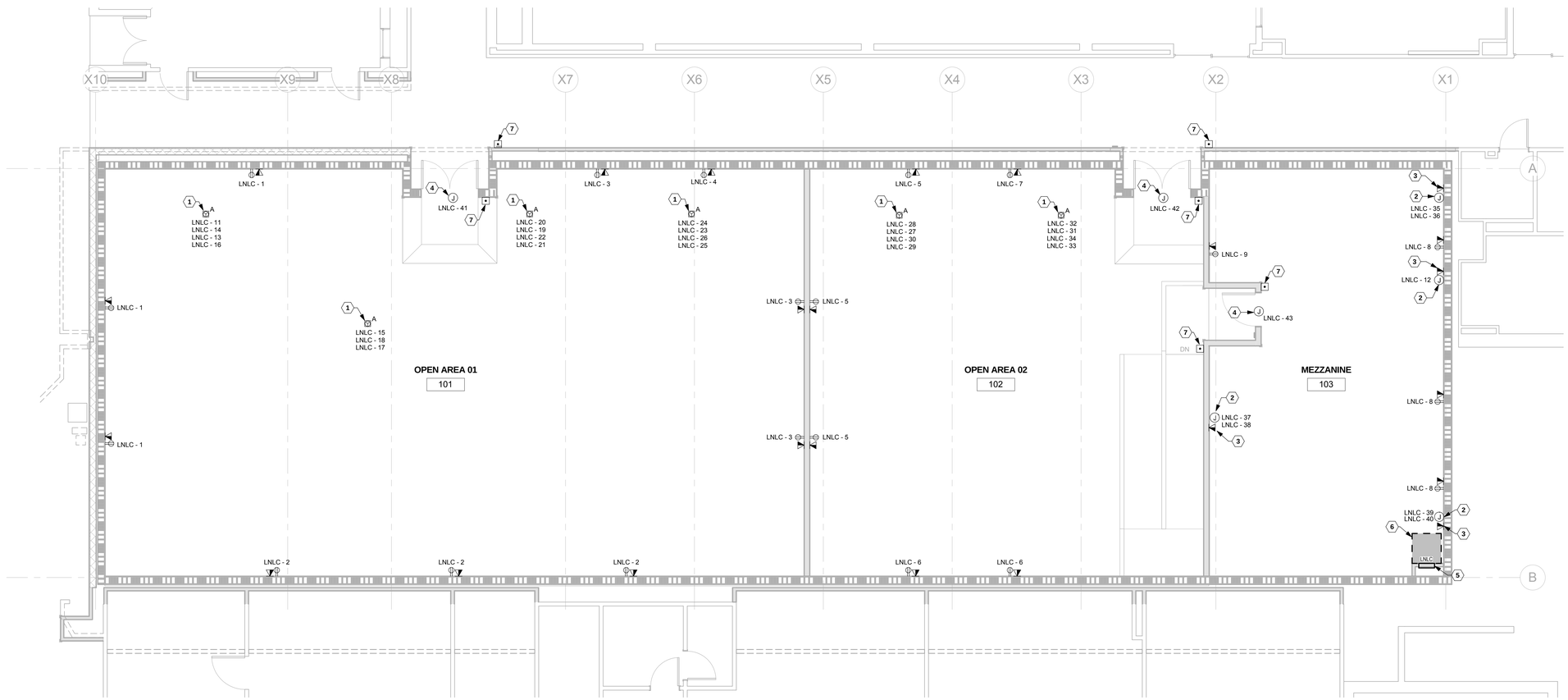
SHEET NOTES:

A. REFER TO THE SYMBOL LEGEND AND GENERAL NOTES.
B. REFER TO THE SPECIFICATIONS.
C. REFER TO WIRE SIZE TABLE ON SHEET E-001 FOR ADDITIONAL INFORMATION.
D. ALL FLOOR PENETRATIONS SHALL BE COORDINATED WITH STRUCTURAL DRAWINGS. COORDINATE WITH STRUCTURAL ENGINEER PRIOR TO ROUGH-IN.
E. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL ELECTRICAL DEVICES PRIOR TO ROUGH-IN.
F. REFER TO DETAIL F5 ON SHEET E-601 FOR TYPICAL BOX SUPPORT DETAIL.
G. MAXIMUM 3 WORK STATIONS PER 120V CIRCUIT.
H. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.

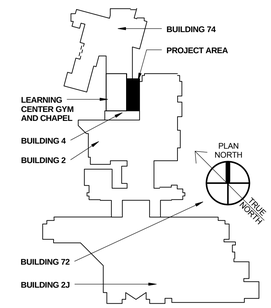
KEY NOTES: (#)

1. PROVIDE 6" FURNITURE FEED POKE-THRU FOR POWERED FURNITURE. COORDINATE EXACT LOCATION OF POKE-THRU WITH FURNITURE LAYOUT AND FURNITURE CONSULTANT PRIOR TO ROUGH-IN. EXTEND 2" EMPTY CONDUIT FROM POKE-THRU TO NEAREST WALL AND STUB UP ABOVE ACCESSIBLE CEILING FOR DATA. EXTEND 3/4" CONDUIT FROM POKE-THRU TO PANEL INDICATED FOR POWER. PROVIDE FINAL CONNECTION TO FURNITURE FROM FURNITURE FEED POKE-THRU.
2. PROVIDE JUNCTION BOX FOR POWERED FURNITURE. WHIP TO FURNITURE POWER PANEL. COORDINATE EXACT LOCATION WITH FURNITURE LAY OUT AND FURNITURE CONSULTANT PRIOR TO ROUGH-IN.
3. PROVIDE JUNCTION BOX FOR POWERED FURNITURE DATA. EXTEND 1-1/2" EMPTY CONDUIT ABOVE CEILING.
4. PROVIDE POWER FOR SWING DOOR OPERATORS. REFER TO DETAILS D1 AND E6 ON SHEET E-601.
5. PROVIDE NEW PANEL BOARD RECESSED IN ELECTRICAL CHASE. PROVIDE LOCKABLE COVER WITH HINGED DOOR.
6. PROVIDE MINIMUM 36" IN FRONT AND 30" WIDTH CLEARANCE FOR PANEL LNLC. PROVIDE INDUSTRIAL TAPE ON FLOOR LABELING CLEARANCE REQUIREMENTS.
7. PROVIDE AUTOMATIC DOOR ASSIST PUSH BUTTON. INSTALL PER MANUFACTURER'S REQUIREMENTS.

B7 E-101 SHEET NOTES



F1 NEW ELECTRICAL FLOOR PLAN
3/16" = 1'-0"



FULLY SPRINKLERED FACILITY

F8 KEYPLAN
N.T.S.

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
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05/02/2016

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DRAWING TITLE:
ELECTRICAL FLOOR PLAN - FIRST LEVEL

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	RWW	MCL

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**
BUILDING NUMBER:
4
VA DRAWING NUMBER:

E-101

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

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FIRE ALARM DESIGN IS PERFORMANCE BASED AND DESCRIPTIVE IN NATURE. DEVICES SHOWN ARE REPRESENTATIVE AND DO NOT NECESSARILY REPRESENT THE FINAL DESIGN. COMPLETE FIRE ALARM SHALL BE DESIGNED AND SEALED BY A NICET LEVEL III CERTIFIED DESIGNER. THE EXACT DEVICE LOCATIONS, NUMBER OF DEVICES, DEVICE TYPES, WIRING, POWER SUPPLIES, VOLTAGE DROP, CALCULATIONS, ETC. SHALL BE PROVIDED WITH SHOP DRAWINGS PREPARED BY THE FIRE ALARM DESIGNER. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, LAYOUT, AND INSTALLATION OF A COMPLETE SYSTEM IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS (INCLUDING ADA, LIFE SAFETY, AND ANY REQUIRMENTS OF THE AUTHORITY HAVING JURISDICTION). THE FIRE ALARM DESIGNER SHALL SUBMIT DRAWINGS TO THE STATE FIRE MARSHAL'S OFFICE AND/OR AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO SUBMITTING SHOP DRAWINGS TO ENGINEER. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL SYSTEM PERFORMANCE REQUIREMENTS.

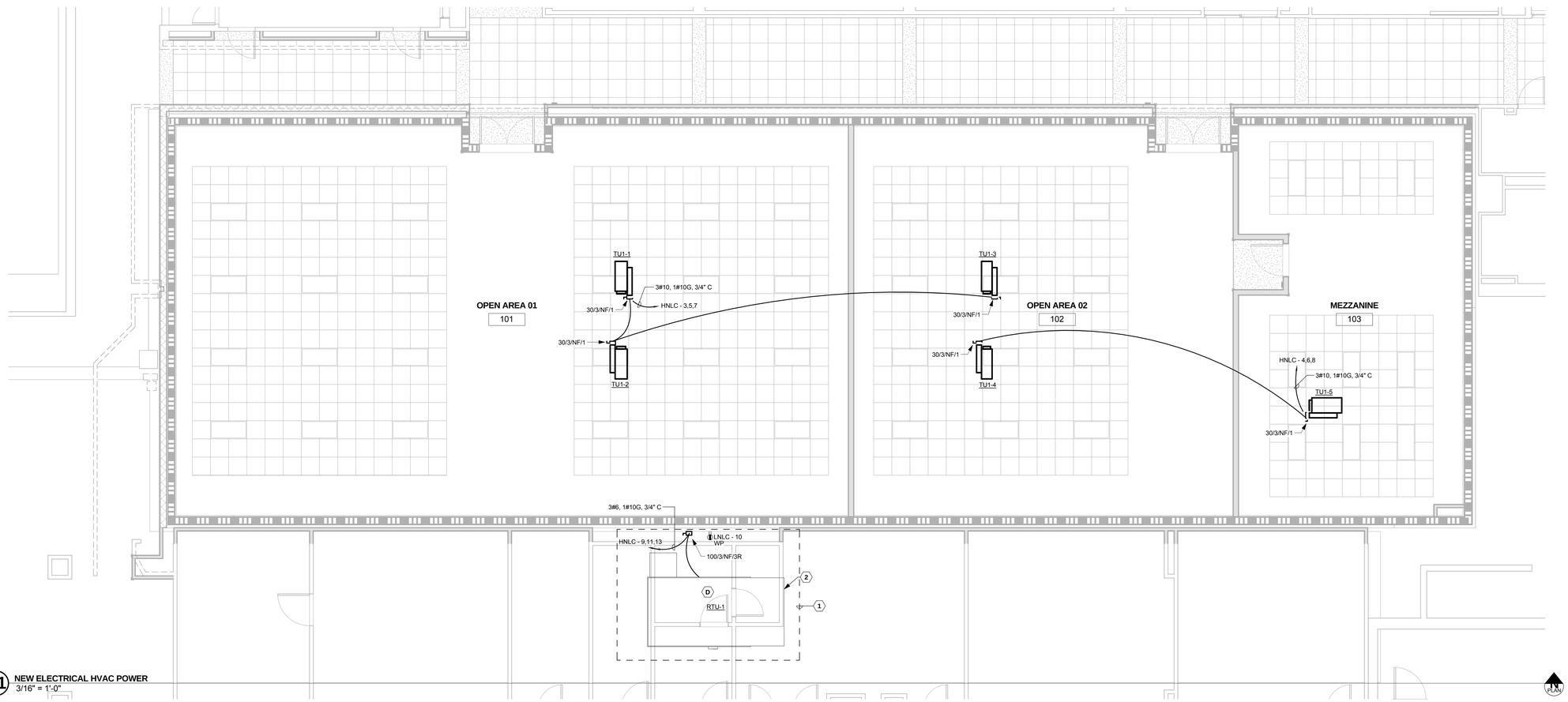
SHEET NOTES:

A. REFER TO THE SYMBOL LEGEND AND GENERAL NOTES.
B. REFER TO THE SPECIFICATIONS.
C. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION OF DISCONNECTS PRIOR TO ROUGH-IN.
D. PROVIDE DEDICATED NEUTRALS FOR EACH CIRCUIT.

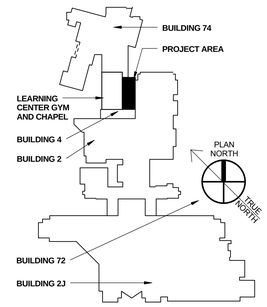
KEY NOTES: (#)

1. ALL EQUIPMENT SHOWN WITHIN BOUNDARY LINE IS ON ROOF.
2. COORDINATE WITH ROOF MANUFACTURER AND VA TO ENSURE ROOF PENETRATION DOES NOT VOID WARRANTY. CONTACT ROOF MANUFACTURER TO COORDINATE ROOF PENETRATION REQUIREMENTS. REFER TO F8/E-601 FOR ROOF PENETRATION DETAIL.

A7 **E-102 SHEET NOTES**



F1 **NEW ELECTRICAL HVAC POWER**
3/16" = 1'-0"



FULLY SPRINKLERED FACILITY

F8 **KEYPLAN**
12" = 1'-0"

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
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DRAWING TITLE:
ELECTRICAL HVAC POWER PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	RWW	MCL

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**
BUILDING NUMBER:
4
VA DRAWING NUMBER:

E-102

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

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FIRE ALARM DESIGN IS PERFORMANCE BASED AND DESCRIPTIVE IN NATURE. DEVICES SHOWN ARE REPRESENTATIVE AND DO NOT NECESSARILY REPRESENT THE FINAL DESIGN. COMPLETE FIRE ALARM SHALL BE DESIGNED AND SEALED BY A NICET LEVEL III CERTIFIED DESIGNER. THE EXACT DEVICE LOCATIONS, NUMBER OF DEVICES, DEVICE TYPES, WIRING, POWER SUPPLIES, VOLTAGE DROP, CALCULATIONS, ETC. SHALL BE PROVIDED WITH SHOP DRAWINGS PREPARED BY THE FIRE ALARM DESIGNER. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, LAYOUT, AND INSTALLATION OF A COMPLETE SYSTEM IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS (INCLUDING ADA, LIFE SAFETY, AND ANY REQUIRMENTS OF THE AUTHORITY HAVING JURISDICTION). THE FIRE ALARM DESIGNER SHALL SUBMIT DRAWINGS TO THE STATE FIRE MARSHAL'S OFFICE AND/OR AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO SUBMITTING SHOP DRAWINGS TO ENGINEER. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL SYSTEM PERFORMANCE REQUIREMENTS.

SHEET NOTES:

A. REFER TO THE SYMBOL LEGEND AND GENERAL NOTES.
B. REFER TO THE SPECIFICATIONS.
C. CONTRACTOR SHALL PROVIDE DIMMER THAT IS COMPATIBLE WITH THE DIMMING PROTOCOL OF THE LIGHT FIXTURE BEING DIMMED.
D. REFER TO DETAIL E5 ON SHEET E-601 FOR TYPICAL LIGHT FIXTURE INSTALLATION WITHIN CEILING GRID.
E. TYPE B FIXTURES SHALL BE PENDANT MOUNTED AT SAME HEIGHT AS TYPE A AND AE FIXTURES.
F. REFER TO WIRE SIZE TABLE ON SHEET E-001 FOR ADDITIONAL INFORMATION.

KEY NOTES: (#)

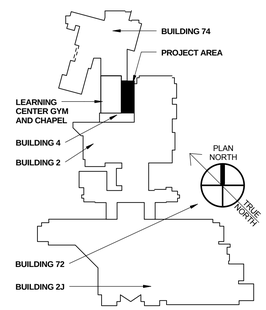
1. CONNECT FIXTURE TYPE AE TO CLOSEST EXISTING 277V LIFE SAFETY CIRCUIT. VERIFY CIRCUIT DOES NOT EXCEED 4,000VA. IF SO, PROVIDE NEW CIRCUIT IN EXISTING 277V LIFE SAFETY LIGHTING PANEL. PROVIDE EMERGENCY UL924 BYPASS/SHUNT RELAY TO BYPASS LIFE SAFETY LIGHTING SWITCHES. REFER TO DETAIL F8 ON SHEET E-601 FOR WIRING INFORMATION. CONNECT TO ANY NORMAL POWER IN ROOM.
2. EXTEND UNSWITCHED 'HOT' CONDUCTOR FROM NEAREST 277V LIFE SAFETY LIGHTING CIRCUIT TO NEW EXIT SIGN.
3. EXISTING FIRE ALARM CONTROL PANEL LOCATION. FIELD VERIFY IF ADDITIONAL DEVICES CAN BE CONNECTED TO PANEL.

A7 **E-103 SHEET NOTES**

Lighting Fixture Schedule

Type	Description	Lamp	Voltage	Manufacturer	Model
A	2X4 SPECIFICATION PREMIUM LED TROFFER	LED	277 V	COOPER - METALUX	24EN-LD1-54-UNV-L835-CD1-U
AE	2X4 SPECIFICATION PREMIUM LED TROFFER - ON EMERGENCY CIRCUIT	LED	277 V	COOPER - METALUX	24EN-LD1-54-UNV-L835-CD1-U
B	NARROW EXTRUDED ALUMINUM 4" LINEAR DIRECT LED	LED	277 V	FOCAL POINT	FSM4LS-FL-625LF-35K-277
X	EXIT SIGN	LED	277 V	LITHONIA	LQM S W R G 120/277 EL N

F1 **NEW ELECTRICAL LIGHTING AND FIRE ALARM PLAN**
3/16" = 1'-0"



FULLY SPRINKLERED FACILITY

F8 **KEYPLAN**
N.T.S.

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
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05/02/2016

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DRAWING TITLE:
ELECTRICAL LIGHTING AND FIRE ALARM PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS - NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
05/02/2016	RWW	MCL

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**
BUILDING NUMBER:
4
VA DRAWING NUMBER:

E-103

DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

VA DALLAS - NLC ENCLOSURE

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PROJECT NUMBER: 12049.00

ISSUED FOR 100% REVIEW

Branch Panel: HNLC

Location:
Supply From: EXISTING SWITCHGEAR MSA
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22K
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LIGHTING	20 A	1	1873 VA	1546 VA					1	20 A	LIGHTING	2
3	TU1-1 / TU1-2 / TU1-3	30 A	3			6500 VA	3333 VA			3	20 A	TU1-4 / TU1-5	4
5	--	--	--					6500 VA	3333 VA	--	--	--	6
7	--	--	--	6500 VA	3333 VA					--	--	--	8
9	RTU-1	50 A	3			15068 VA	500 VA			1	20 A	Spare	10
11	--	--	--					15068 VA	500 VA	1	20 A	Spare	12
13	--	--	--	15068 VA	500 VA					1	20 A	Spare	14
15	T-NLC	125 A	3			21338 VA	500 VA			1	20 A	Spare	16
17	--	--	--					19900 VA	500 VA	1	20 A	Spare	18
19	--	--	--	17656 VA	500 VA					1	20 A	Spare	20
21	Spare	20 A	1			500 VA	500 VA			1	20 A	Spare	22
23	Spare	20 A	1					500 VA	500 VA	1	20 A	Spare	24
25	Spare	20 A	1	500 VA	500 VA					1	20 A	Spare	26
27	Spare	20 A	1			500 VA	500 VA			1	20 A	Spare	28
29	Spare	20 A	1					500 VA	500 VA	1	20 A	Spare	30
31	Space	--	--	0 VA	0 VA					--	--	Space	32
33	Space	--	--			0 VA	0 VA			--	--	Space	34
35	Space	--	--					0 VA	0 VA	--	--	Space	36
37	Space	--	--	0 VA	0 VA					--	--	Space	38
39	Space	--	--			0 VA	0 VA			--	--	Space	40
41	Space	--	--					0 VA	0 VA	--	--	Space	42
			Total Load:	47976 VA		49239 VA		47801 VA					
			Total Amps:	173 A		178 A		173 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	68703 VA	100.00%	68703 VA		
Lighting	3409 VA	125.00%	4262 VA	**Total Conn. Load:**	155016 VA
Power	6000 VA	100.00%	6000 VA	**Total Est. Demand:**	136671 VA
Receptacle	48394 VA	60.33%	29197 VA	**Total Conn.:**	186 A
Spare	28500 VA	100.00%	28500 VA	**Total Est. Demand:**	164 A
Lighting - Exit Sign	10 VA	100.00%	10 VA		

Notes:
1) REFER TO DETAIL E3 ON SHEET E-601 FOR PANEL LABELING CHART.
2) REFER TO WIRE SIZE TABLE ON SHEET E-001 FOR ADDITIONAL INFORMATION.

Branch Panel: LNLC

Location:
Supply From: PANEL HNLC
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

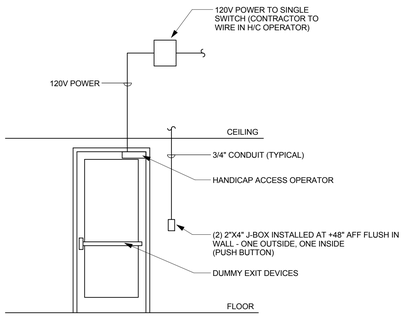
A.I.C. Rating: 10k
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE	20 A	1	540 VA	540 VA					1	20 A	RECEPTACLE	2
3	RECEPTACLE	20 A	1			540 VA	840 VA			1	20 A	COPIER	4
5	RECEPTACLE	20 A	1					540 VA	360 VA	1	20 A	RECEPTACLE	6
7	COPIER	20 A	1	840 VA	540 VA					1	20 A	RECEPTACLE	8
9	COPIER	20 A	1			840 VA	180 VA			1	20 A	ROOF RECEPTACLE	10
11	FURNITURE POWER	20 A	1					1500 VA	1500 VA	1	20 A	FURNITURE POWER	12
13	FURNITURE POWER	20 A	1	1500 VA	1500 VA					1	20 A	FURNITURE POWER	14
15	FURNITURE POWER	20 A	1			1500 VA	1500 VA			1	20 A	FURNITURE POWER	16
17	FURNITURE POWER	20 A	1					1500 VA	0 VA	1	20 A	FURNITURE POWER	18
19	FURNITURE POWER	20 A	1	1500 VA	1500 VA					1	20 A	FURNITURE POWER	20
21	FURNITURE POWER	20 A	1			1500 VA	1500 VA			1	20 A	FURNITURE POWER	22
23	FURNITURE POWER	20 A	1					1500 VA	1500 VA	1	20 A	FURNITURE POWER	24
25	FURNITURE POWER	20 A	1	1500 VA	1500 VA					1	20 A	FURNITURE POWER	26
27	FURNITURE POWER	20 A	1			1500 VA	1500 VA			1	20 A	FURNITURE POWER	28
29	FURNITURE POWER	20 A	1					1500 VA	1500 VA	1	20 A	FURNITURE POWER	30
31	FURNITURE POWER	20 A	1	1500 VA	1500 VA					1	20 A	FURNITURE POWER	32
33	FURNITURE POWER	20 A	1			1500 VA	1500 VA			1	20 A	FURNITURE POWER	34
35	FURNITURE POWER	20 A	1					1000 VA	1000 VA	1	20 A	FURNITURE POWER	36
37	FURNITURE POWER	20 A	1	1500 VA	1500 VA					1	20 A	FURNITURE POWER	38
39	FURNITURE POWER	20 A	1			1000 VA	1000 VA			1	20 A	FURNITURE POWER	40
41	ELECTRONIC DOOR OPENER	20 A	1					378 VA	378 VA	1	20 A	ELECTRONIC DOOR OPENER	42
43	ELECTRONIC DOOR OPENER	20 A	1	378 VA	500 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			500 VA	500 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					500 VA	500 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	500 VA	500 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			500 VA	500 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					500 VA	500 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	500 VA	500 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			500 VA	500 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					500 VA	500 VA	1	20 A	SPARE	60
61	SPARE	20 A	1	500 VA	500 VA					1	20 A	SPARE	62
63	SPARE	20 A	1			500 VA	500 VA			1	20 A	SPARE	64
65	SPARE	20 A	1					500 VA	500 VA	1	20 A	SPARE	66
67	SPARE	20 A	1	500 VA	500 VA					1	20 A	SPARE	68
69	SPARE	20 A	1			500 VA	500 VA			1	20 A	SPARE	70
71	SPARE	20 A	1					500 VA	500 VA	1	20 A	SPARE	72
73	SPARE	20 A	1	500 VA	500 VA					1	20 A	SPARE	74
75	SPARE	20 A	1			500 VA	500 VA			1	20 A	SPARE	76
77	SPARE	20 A	1					500 VA	500 VA	1	20 A	SPARE	78
79	SPARE	20 A	1	500 VA	500 VA					1	20 A	SPARE	80
81	SPARE	20 A	1			500 VA	500 VA			1	20 A	SPARE	82
83	SPARE	20 A	1					500 VA	500 VA	1	20 A	SPARE	84
			Total Load:	24338 VA		23400 VA		21156 VA					
			Total Amps:	206 A		198 A		176 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	48394 VA	60.33%	29197 VA		
Spare	20500 VA	100.00%	20500 VA	**Total Conn. Load:**	68894 VA
				Total Est. Demand:	49697 VA
				Total Conn.:	191 A
				Total Est. Demand:	138 A

Notes:
1) REFER TO DETAIL E3 ON SHEET E-601 FOR PANEL LABELING CHART.
2) REFER TO WIRE SIZE TABLE ON SHEET E-001 FOR ADDITIONAL INFORMATION.



NOTE: INTERIOR AND EXTERIOR DOOR HANDICAP ACCESS OPERATORS SHALL BE SEQUENCED. PROVIDE CONTROL WIRING AS REQUIRED.

D1 SINGLE DOOR OPERATORS
3/8" = 1'-0"

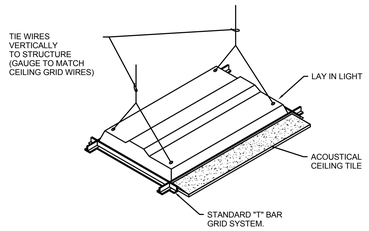
PANEL H1A
FED FROM HDP - 5
400A BUS 480Y/277 V, 3PH, 4W
400A MCB 2 RUNS (4#4/0, 1#3 G, 2 1/2"C.)
BROWN / ORANGE / YELLOW / GRAY / GREEN

DISCONNECT DTL1A
FED FROM - HA1-6, 3#1, 1#6G, 1-1/2" C. 200AF / 3PH / 125AF, 480Y/277V, 3PH, 4W
BROWN / ORANGE / YELLOW / GRAY / GREEN

TRANSFORMER TL1A
75KVA 480V, 3PH, 3W - 208Y/120V, 3PH, 4W
FED FROM HA1-5, 3#1, 1#6G, 1-1/2" C.
BROWN/ORANGE/YELLOW/GRAY/GREEN
BLACK / RED / BLUE / WHITE / GREEN

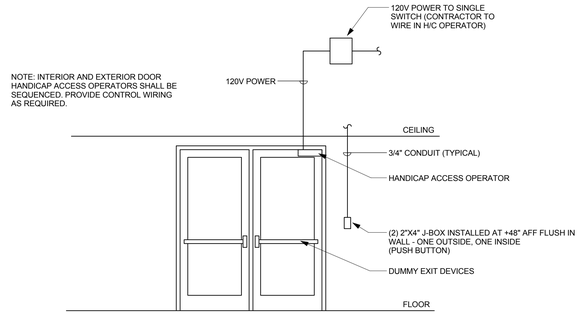
PANEL L1A
FED FROM HA1-5 / TL1A
225A BUS 208Y/120 V, 3PH, 4W
225A MCB 4#4/0, 1#3 G, 2 1/2"C.
BLACK / RED / BLUE / WHITE / GREEN

D3 ELECTRICAL PANEL LABELING CHART
N.T.S.

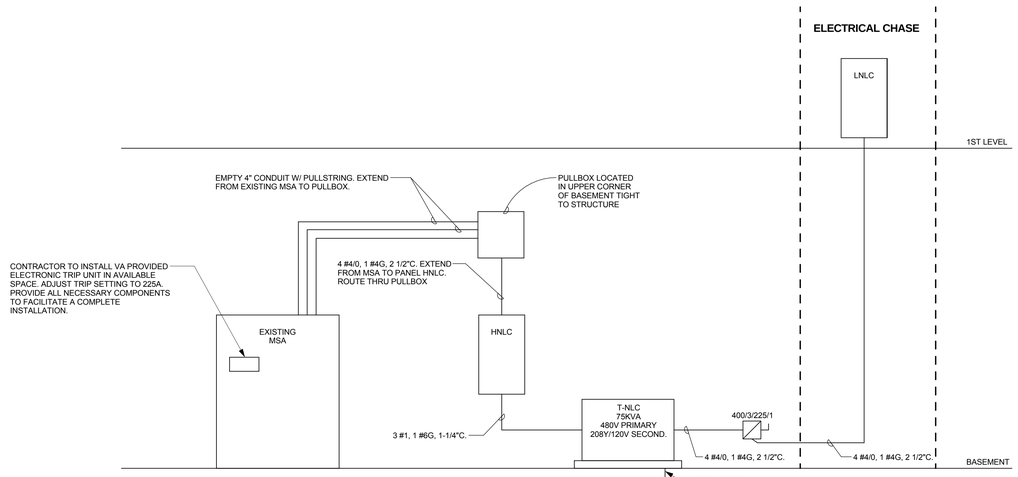


NOTE:
TIE WIRES SHALL NOT BE RUN AT ANY ANGLE GREATER THAN 15° FROM VERTICAL.

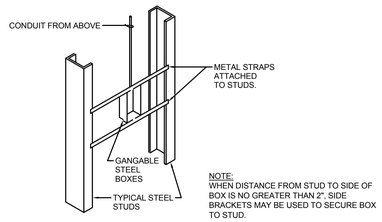
E5 LIGHT FIXTURE INSTALLATION - TYPICAL
N.T.S.



E6 DOUBLE DOOR OPERATORS
3/8" = 1'-0"

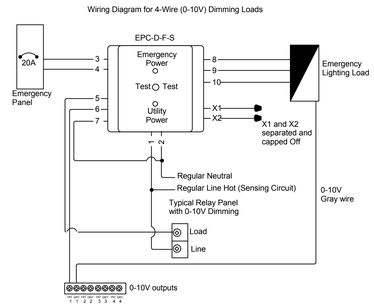


F1 ELECTRICAL RISER DIAGRAM
N.T.S.

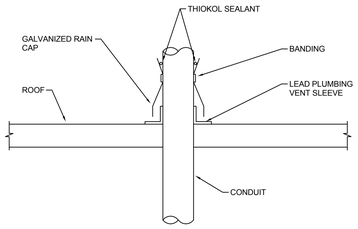


NOTE:
WHEN DISTANCE FROM STUD TO SIDE OF BOX IS NO GREATER THAN 2", SIDE BRACKETS MAY BE USED TO SECURE BOX TO STUD.

F5 TYPICAL BOX SUPPORT DETAIL
N.T.S.



F6 UL924 DEVICE WIRING DETAIL
N.T.S.



NOTE: FOR REFERENCE ONLY. COORDINATE WITH ROOF MANUFACTURER FOR ROOF PENETRATION REQUIREMENTS.

F8 TYPICAL ELECTRICAL ROOF PENETRATION DETAIL

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972.285.2630 F. 972.285.4922
WWW.SMARCHITECTSPLLC.COM

05/02/2016

PROJECT DIRECTORY:

ROGER L. STEPHENS, AIA
SM ARCHITECTS, PLLC
207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972.285.2630 F. 972.285.4922

STEPHEN J. CAMPBELL, PE
CAMPBELL & ASSOC. ENGINEERING, INC.
4131 N. CENTRAL EXPRESSWAY, SUITE 900
DALLAS, TX 75204
T. 214.559.2600

HUNTER FIRE PROTECTION, INC.
15028 UNIVERSITY DRIVE
FORNEY, TEXAS
T. 972.564.6534

MIKE MCKEE, PE
CAMPOS ENGINEERING, INC.
1331 RIVER BEND DR.
DALLAS, TX 75247
T. 972.874.2662
REGISTRATION No. F-001731

RICHARD GARZA
GARZA PROGRAM MANAGEMENT
5910 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75206
T. 214.346.0694

DRAWING TITLE: ELECTRICAL SCHEDULES, DETAILS AND RISER DIAGRAM

APPROVED: PROJECT DIRECTOR

PROJECT TITLE: VA DALLAS - NLC ENCLOSURE

DATE: 05/02/2016 | CHECKED: RWW | DRAWN: MCL

LOCATION: 4500 SOUTH LANCASTER ROAD, DALLAS, TX 75216

PROJECT NUMBER:
CLIENT: **549-09-708** SMA: **12049.00**
BUILDING NUMBER: 4
VA DRAWING NUMBER:

E-601

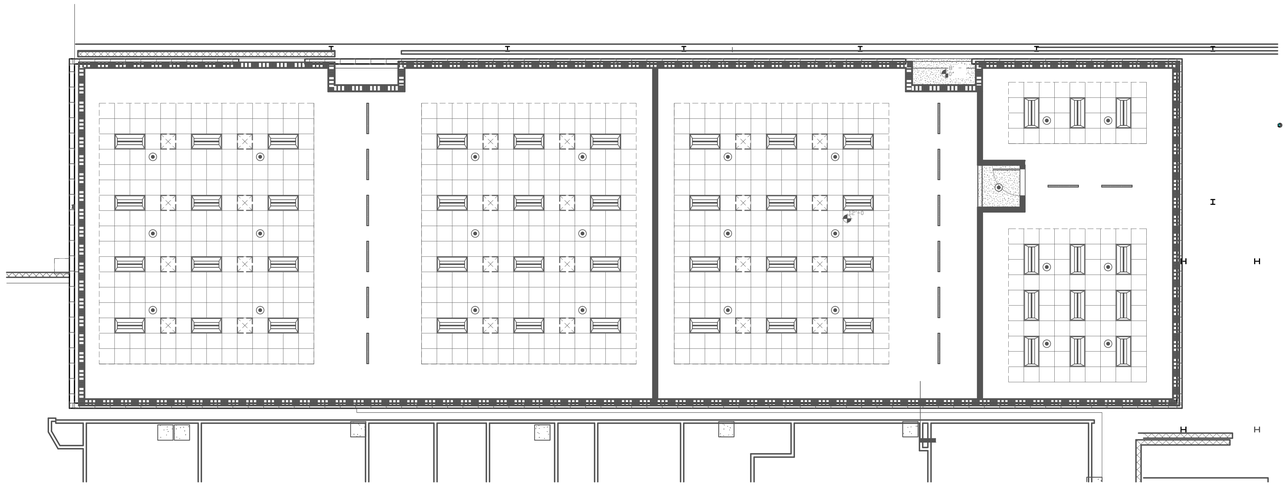
DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

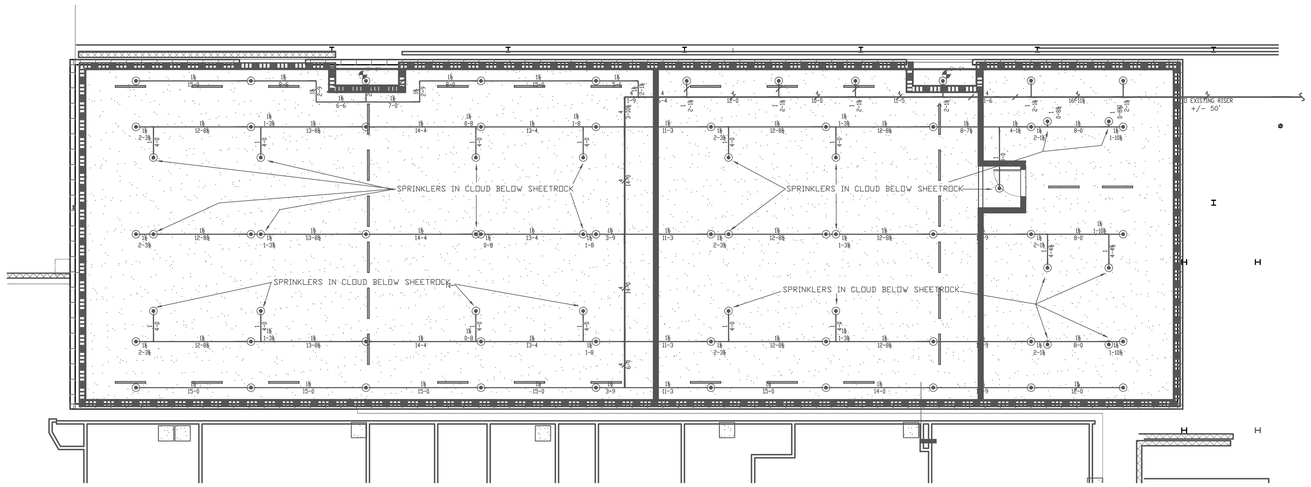
VA DALLAS - NLC ENCLOSURE

If this sheet is not 30" by 42", it is a reduced print, and thus, must be scaled accordingly.



NEW LEARNING CENTER–CLOUD SPRINKLER LOCATIONS
FIRE SPRINKLER LOCATIONS

SCALE : 1/8" = 1'–0"



NEW LEARNING CENTER
FIRE SPRINKLER LOCATIONS & PIPING AT HIGH CEILING

SCALE : 1/8" = 1'–0"

FIRE PROTECTION INSTALLATION NOTES

Finish out remodeled area with new wet pipe per NFPA #13, City of Dallas, and U.S. Dept. of Veterans Affairs specifications and requirements. See VA Fire Protection Design Manual section 5 and 6.
http://www.cfm.va.gov/til/dManual.asp

All work and material shall conform to NFPA 13,
All materials, where applicable, shall be U.L. listed or F.M. approved for use in automatic sprinkler systems.
All pipe shall be supported from the building structure utilizing hangers, materials, and methods per NFPA 13.

PIPE NOTES

All grooved piping 2 1/2" & larger to be sch 10 pipe with grooved ends and welded outlets
All threaded piping 2" & smaller to be sch 40 pipe with threaded ends and cast iron fittings.

GENERAL FIRE SPRINKLER NOTES

1. ALL DESIGN, MATERIALS AND INSTALLATION OF THIS FIRE SPRINKLER INSTALLATION SHALL COMPLY WITH NFPA 13 AND ALL STATE AND LOCAL FIRE CODE REQUIREMENTS.

2. THE SCOPE OF WORK FOR THIS PROJECT IS THE INSTALLATION OF SPRINKLERS AT NEW BUILDING (SEE PLANS).

3. ALL NEW PIPING SHALL COMPLY WITH CHICK–FIL–A SPECIFICATIONS AND BE LISTED FOR FIRE PROTECTION USE.

4. ALL MATERIAL USED IN THE INSTALLATION OF THIS SYSTEM INSTALLATION SHALL BE NEW AND OF CURRENT ISSUE. ALL MATERIAL SHALL BE APPROVED BY UNDERWRITERS LABORATORIES (U.L.) AND BE IN CONFORMANCE WITH THE ADOPTED ISSUE OF NFPA 13 AND THE AUTHORITY HAVING JURISDICTION.

5. ALL SYSTEM PIPING SHALL BE HYDROSTATICALLY TESTED AS REQUIRED BY AHJ.

6. ONE SET OF STAMPED APPROVED DRAWINGS SHALL BE MAINTAINED ON SITE AND MADE AVAILABLE AT THE REQUEST OF THE INSPECTOR.

7. ALL NEW SPRINKLERS SHALL BE QUICK RESPONSE.

8. SPRINKLER CONTRACTOR SHALL VERIFY ALL INFORMATION CONTAINED ON THESE DRAWINGS PRIOR TO COMMENCING ANY FABRICATION OR INSTALLATION. SPRINKLER CONTRACTOR SHALL VERIFY ACTUAL FIELD CONDITIONS TO ENSURE SPRINKLER COVERAGE IS COMPLETE AND PER CODE REQUIREMENTS. SPRINKLER CONTRACTOR SHALL FIELD FIT OR ADJUST PIPING AND/OR SPRINKLER HEADS WHERE REQUIRED TO MEET FIELD CONDITIONS. SPRINKLER CONTRACTOR IS RESPONSIBLE FOR DETECTING OMISSIONS BY THE ENGINEER OR ANY CHANGES MADE IN THE ARCHITECTURAL DRAWINGS.

9. THE INSTALLING CONTRACTOR IS RESPONSIBLE TO REVIEW ALL PLANS AND BECOME FAMILIAR WITH AND ACCOUNT FOR ANY COORDINATION ISSUES, INCLUDING PIPE ELEVATIONS PRIOR TO SUBMITTING A BID. CHANGE ORDERS WILL NOT BE ACCEPTED FOR COORDINATION REVISIONS IN ORDER TO INSURE PROPER INSTALLATION OR MEET ANY AND ALL NATIONAL AND LOCAL CODE REQUIREMENTS.

10. THE FIRE SPRINKLER CONTRACTOR SHALL VISIT THE SITE AND BECOME KNOWLEDGEABLE OF THE EXISTING CONDITIONS THEREIN. SHOULD CONDITIONS BE FOUND, WHICH THE CONTRACTOR BELIEVES WILL IMPEDE HIS WORK, THEN SUCH CONDITIONS MUST BE REPORTED IMMEDIATELY TO THE OWNER. FAILURE TO DO SO SHALL CONSTITUTE NOTICE THAT HE IS FULLY AWARE AND SATISFIED OF THE EXISTING CONDITIONS AND THAT WORK SHALL BE PERFORMED WITH NO ADDITIONAL IMPACT ON COST OR SCHEDULE.

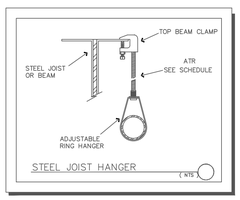
11. ELEVATIONS AND DIMENSIONS SHOWN ON THESE DRAWINGS ARE NOMINAL. ACTUAL MEASUREMENTS MAY VARY AND SHALL BE DETERMINED BY THE INSTALLING CONTRACTOR.

SPRINKLER HEAD LEGEND

SYMB.	QUAN.	TYPE	FIN.	MAKE / MODEL	SIN	CUP	FIN.	ORIF.	TEMP.	K FACT.
◉	76	NEW REC. PENDENT QUICK RESPONSE SPRINKLER	PC			REC	PC	1/2"	155	5.6
TOTAL	76									

NOTES

FIN. SCHED.	
PC	POL. CHROME
PB	POL. BRASS
B	BRASS
WT	WHITE



FOR CONSTRUCTION

REVISION SCHEDULE

No.	DESCRIPTION	DATE

DESCRIPTION:

207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972-285-2630 F. 972-285-4922
WWW.SMARCHITECTSPLLC.COM

I HAVE REVIEWED THESE PLANS AND CERTIFY THAT THEY COMPLY WITH THE ADOPTED NFPA STANDARDS.
HUNTER FIRE PROTECTION, INC
PO BOX 2560
FORNEY, TEXAS 75126
972-564-6547
TBPE-#F-3234
RME-Signature: JASON R. ZINN
Printed RME Name: RME - 1001-C Date: 03/08/16
CAD-BULT D/S/BMT/AL COVER

PROJECT DIRECTORY:

SM ARCHITECTS, PLLC
207 WEST MAIN STREET
MESQUITE, TX 75149
T. 972-285-2630 F. 972-285-4922

HUNTER FIRE PROTECTION, INC.
SCR# O675
15026 UNIVERSITY DRIVE
FORNEY, TEXAS 75126
T. 972-564-6547

CAMPOS ENGINEERING, INC.
1331 RIVER BEND DRIVE
DALLAS, TX 76012
T. 214.696.6291 F. 214.361.6298

GARZA PROGRAM MANAGEMENT
5910 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75206
T. 214-346-0694

RLG CONSULTING ENGINEERS
5445 LA SIERRA - SUITE 300
DALLAS, TX 75231
T. 214-739-8100

DRAWING TITLE:
FIRE SPRINKLER FINISH OUT PLAN

APPROVED: PROJECT DIRECTOR

PROJECT TITLE:
VA DALLAS_NLC ENCLOSURE

DATE:	CHECKED:	DRAWN:
03-18-16	BGS	JRZ

LOCATION:
4500 SOUTH LANCASTER ROAD, DALLAS, TEXAS 75216

PROJECT NUMBER:
CLIENT: **VA257-15-C-0175** SMA: **12050.00**
BUILDING NUMBER:
2J
VA DRAWING NUMBER:

FP-1
DWG ____ OF ____

OFFICE OF FACILITIES MANAGEMENT

Department of Veterans Affairs

VA DALLAS CODE LAB - COVID SITE BOED
ISSUED FOR REVIEW: MAY 5TH AD 1.AD
DOCUMENT NUMBER: 12050.00