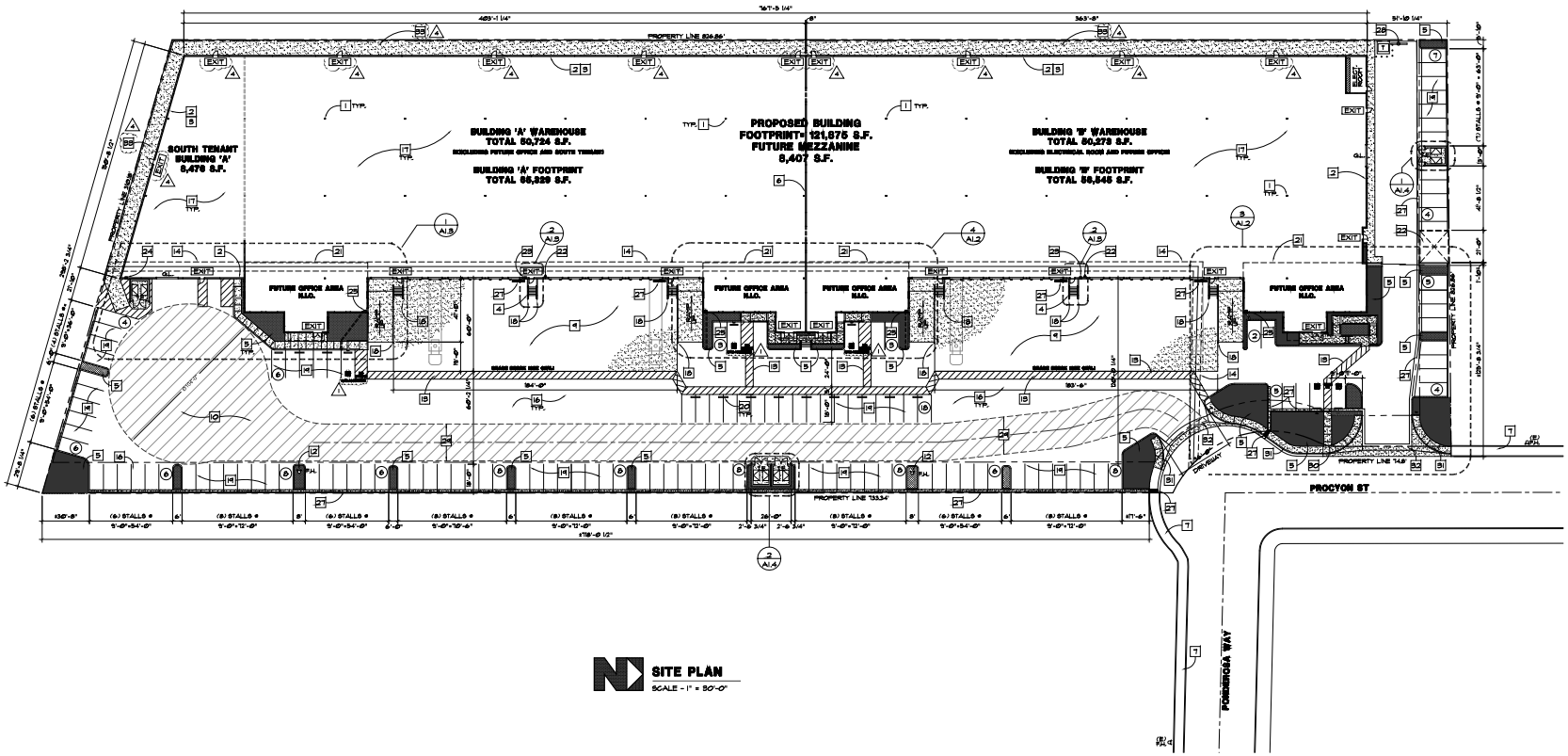

SITE PLAN

SCALE - 1" = 30'-0"

FIRE DEPARTMENT NOTES:

1. FIRE HYDRANTS AND WATER SUPPLIES FOR THE FIRE PROTECTION SHALL BE MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION IN ACCORDANCE WITH SECTION 903.3 OF THE 2006 CLARK COUNTY FIRE CODE.
2. BUILDING ADDRESS NUMBERS SHALL BE PROVIDED AND MAINTAINED SO AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET FRONTING THE PROPERTY. THE NUMBERS SHALL BE A MINIMUM 3 INCHES HIGH 1 INCH WIDE WITH A 3/8 INCH STROKE. FOR BUILDINGS SET BACK MORE THAN 150 FEET FROM THE STREET, THE NUMBERS SHALL BE A MINIMUM 5 INCHES HIGH, 2 INCHES WIDE WITH A 1/2 INCH STROKE. FIRE CODE 509.4.4
3. A KEY BOX SHALL BE PROVIDED AT ALL GATED ENTRANCES, IN ACCORDANCE WITH FIRE CODE 506.4, AND AS SET FORTH IN FIRE DEPARTMENT REGULATION 5.
4. THE REQUIRED FIRE FLOW FOR PUBLIC FIRE HYDRANTS AT THIS LOCATION IS 2,500 GPM AT 20 PSI RESIDUAL PRESSURE, FOR A DURATION OF 3 HOURS OVER AND ABOVE MAXIMUM DAILY DOMESTIC DEMAND. FIRE CODE 507.3 AND FIRE DEPARTMENT REGULATION 8.
5. ALL FIRE HYDRANTS SHALL MEASURE 6" X 4" X 2-1/2", BRASS OR BRONZE, CONFORMING TO AMERICAN WATER WORKS ASSOCIATION STANDARD C509, OR APPROVED EQUAL, AND SHALL BE INSTALLED IN COMPLIANCE WITH FIRE DEPARTMENT REGULATION 8. FIRE CODE 507.5.1
6. ALL REQUIRED PUBLIC FIRE HYDRANTS SHALL BE INSTALLED, TESTED AND ACCEPTED PRIOR TO BEGINNING CONSTRUCTION. FIRE CODE 507.3
7. THE INSPECTION, HYDROSTATIC TEST AND FLUSHING OF THE UNDERGROUND FIRE PROTECTION PIPING SHALL BE WITNESSED BY AN AUTHORIZED FIRE DEPARTMENT REPRESENTATIVE AND NO UNDERGROUND PIPING OR THRUST BLOCKS SHALL BE COVERED WITH EARTH OR HIDDEN FROM VIEW UNTIL THE FIRE DEPARTMENT REPRESENTATIVE HAS BEEN NOTIFIED AND GIVEN NOT LESS THAN 48 HOURS IN WHICH TO INSPECT SUCH INSTALLATIONS. FIRE CODE 508.1
8. EXIT DOORS SHALL BE CAPABLE OF OPENING WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. BUILDING CODE 1003.3.8
9. THE MEANS OF EGRESS TRAVEL SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH A LIGHT INTENSITY OF NOT LESS THAN 1 FOOT-CANDLE AT THE FLOOR LEVEL. BUILDING CODE 1008.2.8
10. THE POWER SUPPLY FOR THE MEANS OF EGRESS EXIT ILLUMINATION SHALL BE SUPPLIED FROM SEPARATE SOURCES IN ACCORDANCE WITH THE BUILDING CODE 1008.2.8.2
11. PORTABLE FIRE EXTINGUISHER REQUIREMENTS SHALL BE DETERMINED BY FIRE DEPARTMENT FIELD INSPECTION IN ACCORDANCE WITH FIRE CODE 1002.1
12. DUMPSTERS AND CONTAINERS WITH AN INDIVIDUAL CAPACITY OF 15 CUBIC YARDS (459 CU. FT.) OR MORE SHALL NOT BE STORED IN BUILDINGS OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENINGS OR COMBUSTIBLE ROOF EAVES, UNLESS AREAS CONTAINING DUMPSTERS OR CONTAINERS ARE PROTECTED BY AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM. FIRE CODE 1805.3.2
13. PROVIDE AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM. PLANS SHALL BE SUBMITTED TO THE SPRINKLER PLAN CHECK UNIT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. FIRE CODE 903.2
14. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE 2006 CLARK COUNTY FIRE CODE, AND THE 2002 EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET 54.
15. IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, THE CLARK COUNTY FIRE DEPARTMENT MUST BE CONTACTED.
16. PAINTING OF CURBS AND / OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY SHALL BE PER THE FIRE HYDRANT INSTALLATION SPECIFICATIONS OF THE FIRE PROTECTION BUREAU.
17. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, ON 5 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION. FOR WALL FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS EXTERIOR SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTION AT ALL TIMES.
18. AT ALL TIMES DURING CONSTRUCTION SUITABLE EMERGENCY VEHICLE ACCESS ROADWAY(S) MUST BE MAINTAINED. ROADWAYS MUST BE SMOOTH, COMPACTED AND CAPABLE OF SUPPORTING THE IMPOSED LOADS OF ALL EMERGENCY VEHICLES.
19. PRIOR TO ACCEPTANCE OF ANY FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH FITTING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS, AN INSTALLATION PERMIT AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT THE OF INSPECTION. CALL COFD INSPECTION HOTLINE AT 236-2996 TO SCHEDULE INSPECTIONS.
20. FIRE HYDRANTS SHALL BE LOCATED 4 TO 1 FEET FROM BACK OF CURB.
21. BLUE REFLECTIVE MARKERS MUST BE INSTALLED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED (2006 CLARK COUNTY FIRE CODE SEC. 509.4.3.).
22. APPROVED (PUBLIC) FIRE HYDRANTS FOR THIS PROJECT ARE:
    1. KENNEDY - GUARDIAN MODELS K81A AND K81D
    2. MUELLER - SUPER CENTURION 250 MODEL A-423
    3. CLOW - MEDALLION MODEL F-2640-LVD
    4. TROY VALVE - PATRIOT MODEL PTB960N NEVADA HYDRANT

FIRE-RESISTIVE CONSTRUCTION NOTES:

1. TYPE III/ TYPE II CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED IN THIS CODE. FIRE-RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2 SHALL BE PERMITTED WITHIN EXTERIOR WALL ASSEMBLIES OF A 2-HOUR RATING OR LESS. REF. 2006 IBC. SECTION 602.3.
2. EXTERIOR WALLS THAT ARE REQUIRED TO 3-HOUR FIRE-RESISTIVE SHALL BE CONSTRUCTED PER 2006 IBC TABLE 1503.2.1 ITEM NUMBER 4-1 SOLID CONCRETE. BLOCKS OR AGGREGATE CONCRETE WALLS SHALL BE A MINIMUM OF 5" THICK. PROPOSED WALLS WILL BE 8" THICK.
3. FIRE WALL: A FIRE-RESISTANCE-RATED WALL HAVING PROTECTED OPENINGS, WHICH RESTRICTS THE SPREAD OF FIRE AND EXTENDS CONTINUOUSLY FROM THE FOUNDATION TO OR THROUGH THE ROOF, WITH SUFFICIENT STRUCTURAL STABILITY UNDER FIRE CONDITIONS TO ALLOW COLLAPSE OF CONSTRUCTION ON EITHER SIDE WITHOUT COLLAPSE OF THE WALL. REF. 2006 IBC. SECTION 1021.
4. FIRE-RESISTANCE RATINGS: EXTERIOR WALLS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE WITH TABLES 601 AND 602. THE FIRE-RESISTANCE RATING OF EXTERIOR WALLS WITH A FIRE SEPARATION DISTANCE OF GREATER THAN 9 FEET (9/24 m) SHALL BE RATED FOR EXPOSURE TO FIRE FROM THE INSIDE. THE FIRE-RESISTANCE RATING OF EXTERIOR WALLS WITH A FIRE SEPARATION OF 9 FEET (9/24 m) OR LESS SHALL BE RATED FOR EXPOSURE TO FIRE FROM BOTH SIDES. REF. 2006 IBC. SECTION 1405.
5. PARAPET CONSTRUCTION: PARAPETS SHALL HAVE THE SAME FIRE-RESISTANCE RATING AS THAT REQUIRED FOR THE BEARING WALLS, AND ON ANY SIDE ADJACENT TO A ROOF SURFACE, SHALL HAVE NONCOMBUSTIBLE FACES FOR THE UPPERMOST 18 INCHES (457 mm) INCLUDING COUNTERFLASHING AND COPING MATERIALS. THE HEIGHT OF THE PARAPET SHALL NOT BE LESS THAN 30 INCHES (762 mm) ABOVE THE POINT THE ROOF SURFACE AND WALL INTERSECT, EXCEPT WHERE THE ROOF SLOPES TOWARDS A PARAPET AT A SLOPE GREATER THAT TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (16.7-PERCENT SLOPE). THE PARAPET SHALL EXTEND TO THE SAME HEIGHT AS ANY PORTION OF THE ROOF WITHIN A FIRE SEPARATION DISTANCE WHERE PROTECTION OF WALL OPENINGS IS REQUIRED, BUT IN NO CASE THE HEIGHT BE LESS THAN 30 INCHES (762 mm). REF. 2006 IBC. SECTION 1404.5.1
6. 1-HOUR CONSTRUCTION: 25 GA. CHANNEL-SHAPED STUDS 24" ON CENTER WITH ONE FULL-LENGTH LAYER OF 5/8" TYPE "X" GYPSUM WALLBOARD APPLIED VERTICALLY ATTACHED WITH 1" LONG NO. 6 DRYWALL SCREWS TO EACH STUD. SCREWS ARE 8" ON CENTER AROUND THE PERIMETER AND 12" ON CENTER ON THE INTERMEDIATE STUD. THE WALL BOARD MAY BE APPLIED HORIZONTALLY AND ATTACHED TO 2 5/8" STUDS AND THE HORIZONTAL JOINTS ARE STAGGERED WITH NODE ON ONE SIDE OPPOSITE SIDE. SCREWS FOR THE HORIZONTAL APPLICATION SHALL BE 8" ON CENTER AT VERTICAL EDGES AND 12" ON CENTER ON INTERMEDIATE STUDS. REF. 2006 IBC. TABLE 1021.2.(2). ITEM NUMBER 15-11.
7. 1-HOUR WALL/CEILING CONSTRUCTION: 18 GA. STEEL GAGE APPROVED NAILABLE METAL STUDS 24" ON CENTER WITH FULL-LENGTH 5/8" TYPE "X" GYPSUM WALLBOARD APPLIED VERTICALLY AND NAILED 7" ON CENTER WITH 6d CEMENT-COATED COMMON NAILS. APPROVED METAL FASTENER GRIPS USED WITH NAILS AT VERTICAL BUTT JOINTS ALONG STUDS. REF. 2006 IBC. TABLE 1021.2.(1). ITEM NUMBER 19-13.

AREA JUSTIFICATION:

BUILDING 'A'

TOTAL AREA:	55,527 S.F.
TYPE OF CONSTRUCTION:	III-B
BUILDING HEIGHT:	44'-6" MAX.
SPRINKLERED:	YES
OCCUPANCY GROUP(S):	S-1
YARDS:	2
BASIC ALLOWABLE:	17,500 SF.
SPRINKLERED INCREASE:	300%
INCREASE PER 3 YARDS:	100%

$A_a = A \cdot \left[\frac{A_a}{A}\right] \cdot \left[\frac{A_a}{A}\right]$

$A_a = 17,500 \cdot \left[\frac{A_a}{A}\right] \cdot \left[\frac{17,500 \times 300\%}{100}\right]$

$52,500$ SF. $= 17,500 \cdot \left[\ \ \right] \cdot \left[\frac{17,500 \times 300\%}{100}\right]$

$52,500$ SF. $> 91,650$ SF. : OK

BUILDING 'B'

TOTAL AREA:	56,546 S.F.
TYPE OF CONSTRUCTION:	III-B
BUILDING HEIGHT:	44'-6" MAX.
SPRINKLERED:	YES
OCCUPANCY GROUP(S):	S-1
YARDS:	2
BASIC ALLOWABLE:	17,500 SF.
SPRINKLERED INCREASE:	300%
INCREASE PER 3 YARDS:	100%

$A_a = A \cdot \left[\frac{A_a}{A}\right] \cdot \left[\frac{A_a}{A}\right]$

$A_a = 17,500 \cdot \left[\frac{A_a}{A}\right] \cdot \left[\frac{17,500 \times 300\%}{100}\right]$

$52,500$ SF. $= 17,500 \cdot \left[\ \ \right] \cdot \left[\frac{17,500 \times 300\%}{100}\right]$

$52,500$ SF. $> 91,650$ SF. : OK

PARKING TABULATION:

PARKING RATIOS:

OFFICE:	1/1000
WAREHOUSE:	1/1000

BUILDING AREA SUMMARIES:

FUTURE OFFICE MEZZANINE:	8,407 SF.
WAREHOUSE:	101,273 SF.

PARKING CALCULATIONS:

FUTURE OFFICE MEZZANINE:	8,407 / 1,000 =	9 STALLS
WAREHOUSE:	101,273 / 1,000 =	102 STALLS
PARKING REQUIRED:		111 STALLS

TOTAL PARKING REQUIRED:

TOTAL STANDARD PARKING REQUIRED:	106 STALLS
TOTAL HANDICAP PARKING REQUIRED:	5 STALLS

TOTAL PARKING PROVIDED:

STANDARD: (9' X 19')	106 STALLS
HANDICAP: (9' X 19')	5 STALLS
TOTAL PARKING PROVIDED:	111 STALLS

KEY NOTES:

1. NEW COLUMNS PER STRUCTURAL PLANS.
2. NEW TILT-UP WALL PANELS PER STRUCTURALS PLAN.
3. PROVIDE 4 HR. RATED WALLS @ PROPERTY LINE.
4. CONCRETE STAIRS WITH HANDRAILS.
5. NEW LANDSCAPING PER LANDSCAPE DRAWINGS.
6. 4 HR. FIRE WALL AND SHEAR WALL. OPENINGS TO BE 4 HR. RATED.
7. EXISTING CONCRETE SIDEWALK TO REMAIN.
8. HAMMER HEAD FIRE TRUCK TURN AROUND PER DETAIL THIS SHEET, TURNED 90 DEGREES
9. NEW TRUCK WELL CONCRETE APRON. SEE STRUCTURAL PLANS.
10. FIRE ACCESS ROAD TURNING RADIUS PER CLARK COUNTY FIRE CODE 503.2.3
11. PROVIDE STRIPPED FIRE HYDRANT ACCESS PATH (MIN. 5'-0" WIDE, V.N.O.) PROVIDE PAINTED STRIPING PER CLARK COUNTY STANDARDS.
12. PROPOSED NEW ON-SITE FIRE HYDRANT, UNDER SEPERATE PERMIT. MAX DISTANCE BETWEEN ON-SITE F.H.S. SHALL NOT EXCEED 600' FOR R.H. BARRICADES SEE DETAIL. (12 / A1.4)
13. ACCESSIBLE PATH OF TRAVEL. 4'-0" WIDE MIN. PAINTED WITH MAX. RUNNING SLOPE OF 5% (1:20) AND MAX. CROSS SLOPE OF 2% (1:48).
14. EXISTING DRAINAGE EASEMENT TO BE VACATED, SEE CIVIL DRAWINGS.
15. FULL HEIGHT DEMISING WALL PER DETAIL: (3 / AD5)
16. NEW SIZE PAVING AND PARKING, TYP. SEE CIVIL PLANS FOR PAVING REQUIREMENTS. PAVING SHALL BE PROVIDED WITH SLURRY SEAL TOP COAT, FOR MINIMUM PARKING STRIPPING REQUIREMENTS.
17. CONC. SLAB SEE STRUCTURAL DWG'S FOR CONTROL JOINTS. PROVIDE CONC. SEALER PER FLOOR PLANS.
18. NEW 6"ø CONC. FILLED FIRE BOLLARDS. USE 8"ø CONC. FILLED FIRE BOLLARDS WITHIN TRUCKWELL NEAR BUILDING. SEE DETAIL. (15 / AD2)
19. NEW PARKING STRIPPING TO BE PROVIDED, FOR MIN. PARKING STRIPPING REQUIREMENTS SEE DETAIL. (7 / A1.5)
20. PROVIDE PARKING U-BELL STOP PER DETAIL. (11 / A1.4)
21. LINE OF FUTURE OFFICE/MEZZANINE (N.I.C.)
22. PROPOSED LOCATION OF NEW FIRE SPRINKLER RISER, UNDER SEPARATE PERMIT. FINAL LOCATION SHALL BE APPROVED BY ARCHITECT.
23. INTERIOR ROOF DRAIN TO PENETRATE THRU CONC. WALL AND DAYLIGHT 6" ABOVE NEW TRUCK WELL CONCRETE APRON PER DET. (6 / AD2) RM.
24. INTERIOR ROOF AND/OR OVERFLOW DRAIN TO PENETRATE THRU CONC. WALL AND DAYLIGHT 6" ABOVE CONC. SPLASH BLOCK PER DET. (8 / AD2)
25. INTERIOR ROOF DRAIN TO PENETRATE THRU WALL AND DRAIN + CURB FACE PER DETAIL. (7 / AD2)
26. OVERFLOW TO DAYLIGHT 6" ABOVE CONC. SPLASH BLOCK PER DETAIL. (9 / AD2)
27. CONCRETE SWALE/V-GUTTER/CURB AND GUTTER AND/OR SITE DRAINS. SEE CIVIL DWGS.
28. EXISTING ELECTRICAL POWER POLE TO REMAIN.
29. FIRE ACCESS LANE PER CLARK COUNTY FIRE DEPARTMENT (MINIMUM 24'-0" WIDE).
30. NEW CONCRETE WALK FOR ACCESSIBLE PATH OF TRAVEL PER 2006 IBC AND ICC/ANSI A117-1-2003, SEE CIVIL DRAWINGS.
31. NEW CONCRETE PUBLIC SIDEWALK PER CLARK COUNTY STANDARDS, SEE CIVIL DRAWINGS.
32. CONSTRUCT NEW DRIVE APPROACH PER CLARK COUNTY STANDARDS, SEE CIVIL DRAWINGS.
33. NEW CONCRETE WALK PER CLARK COUNTY STANDARDS MIN. 10' WIDE, SEE CIVIL PLANS.

LEGEND:

- HANDICAP ACCESSIBLE PARKING STALL, TYP. (5 / A1.5)
- AREA TO BE LANDSCAPED, TYP. SEE LANDSCAPE PLANS.
- PARKING STRIPPING, TYP. SEE DETAIL: (7 / A1.5)
- INTERIOR CONC. BLDG. AT OFFICE SLAB AREA TO RECEIVE 2" BAND OVER 10 MIL VISQUEEN OVER 2" BAND.
- CONCRETE SWALE OR GUTTER SEE CIVIL PLANS.
- EXIT SIGN - SINGLE FACE, SELF LUMINOUS ABOVE, SEE ELEC. DRAWINGS
- T TRANSFORMER
- NEW CONCRETE WALK/ HARDSCAPE
- F.H. FIRE HYDRANT
- P.P. POWER POLE
- PARKING STALL COUNT

CALVERT ARCHITECTURAL GROUP, INC.

PLANNING
ARCHITECTURE
INTERIORS

THOMAS A. CALVERT, AIA
ARCHITECT

6601 LONG BEACH BLVD.
LONG BEACH, CA. 90805
(562) 531 - 7000
(562) 531 - 7007 FAX

ALL IDEAS, DESIGNS, AND PLANS REPRESENTED BY THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE CALVERT ARCHITECTURAL GROUP, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF THE CALVERT ARCHITECTURAL GROUP, INC. ANY PHOTOGRAPHS MADE OF THIS PLAN OR OTHER VIEWS FOR THE PROJECT AND LOCATION SHOWN IS PROHIBITED.

PROJECT ADDRESS:

NEW DISTRIBUTION CENTER FOR:

STEEL INCORPORATED

9025 SOUTH PROCYON STREET
LAS VEGAS, NEVADA 89178

PROJECT DATES:	
1ST SUBMITTAL	09-09-2006
2ND SUBMITTAL	09-07-2006

SHEET TITLE:

SITE PLAN

REVISIONS	
1 PLAN CHECK CORR/COORDINATION	09-22-06
2 OWNERS REVISION	07-23-06
3 PLAN CHECK CORR/COORDINATION	06-21-06
4 FIRE DEPT. SITE/BUILD'G REVISION	09-18-06

DATE	4-12-07
SCALE	AS SHOWN
DRAWN BY	DB/SB/TAC
JOB NUMBER	2002-09
SHEET NUMBER	A-1.1

OF SHEETS