

SHIRIDI SAI CENTER OF TEXAS

LOCATED AT

3600 CARBON RD, IRVING, TX-75038.



CODE ANALYSIS

PROJECT DESCRIPTION

PROJECT NAME: PROPOSED SHIRIDI SAI TEMPLE
LOCATION NAME: 3600 CARBON RD, IRVING, TX-75038.
PROJECT DESCRIPTION: A GROUND UP CONSTRUCTION OF A TWO STORY METAL BUILDING TO BE USED AS A RELIGIOUS FACILITY.

BUILDING CODES:

ALL WORK PROCEDURES, CRAFTSMANSHIP & CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES & AMENDMENTS PER THEIR ADOPTING ORDINANCES.

BUILDING	2015 IBC	INTERNATIONAL BUILDING CODE
FIRE CODE	2015 IFC	INTERNATIONAL FIRE CODE
MECHANICAL	2015 IMC	INTERNATIONAL MECHANICAL CODE
ELECTRICAL	2014 NEC	NATIONAL ELECTRICAL CODE
PLUMBING	2015 I.P.C	INTERNATIONAL PLUMBING CODE
ENERGY CODE	2015 IECC	INTERNATIONAL ENERGY CONSERVATION CODE ASHRAE 90.1-2016 ENERGY CODE
ACCESSIBILITY	2010 ADA, TDLR	AMERICAN DISABILITIES ACT LATEST EDITION (with all the addendums); TEXAS DEPARTMENT OF LICENSING & REGULATIONS.

CONTRACTOR SHALL INFORM CITY/COUNTY INSPECTION DEPARTMENT, AND OTHER GOVERNING AGENCIES PRIOR TO START OF CONSTRUCTION AND AT ALL STAGES AS REQUIRED AND BY ALL GOVERNING AGENCIES.

TABS # 2021016087

TENANT SIGN OR MONUMENT SIGN NOTE: (BY OTHERS)

TENANT SIGN OR MONUMENT SIGN WILL BE REQUIRED A SEPARATE APPLICATION AND REVIEW CITY OF IRVING. RETAINING WALL, GATES & FENCES WILL REQUIRE A SEPARATE PERMIT (BY OTHERS)

ALLOWABLE HEIGHT AND BUILDING SQ.FT AREA

TYPE OF CONSTRUCTION : II - B (SPRINKLED)
ALLOWABLE HEIGHT : 2 STORIES (55'-0" HIGH)
ALLOWABLE AREA : 9,500 SQ.FT
PROPOSED HEIGHT : 2 STORY BUILDING (38'-6") TOP OF PERAPET HEIGHT
PROPOSED AREA : 1ST FLR AREA - 9,080.00 SQ.FT
: 2ND FLR AREA - 12,408.00 SQ.FT
: COVERED CORRIDOR AREA - 4,511.00 SQ.FT
: TOTAL AREA - 27,999.00 SQ.FT.
OCCUPANT LOAD: : REF. SHEET NO- LSP-1.0, LSP-1.1
OCCUPANCY GROUP : ASSEMBLY GROUP "A-2"

MEANS OF EGRESS:

MEANS OF EGRESS	REQUIRED	PROVIDED
NUMBER OF EXITS (TABLE 1006.3.1)	2 PER FLOOR MINIMUM	2 PER FLOOR MINIMUM
TRAVEL DISTANCE (TABLE 1017.2)	250' MAXIMUM	125'-0" MAXIMUM
SIZE OF EGRESS DOORS	(0.2' x 1.535) = 30" MINIMUM	36 INCH EA. x 13 = 468"
MIN. CORRIDOR WIDTH (TABLE 1020.2)	(0.2' x 76) = 44" MIN.	84" MINIMUM
MIN. STAIR WIDTH	(0.3' x 76) = 16" MINIMUM	54" MINIMUM EA.

PLUMBING FIXTURE ANALYSIS

AS PER 2000 UPC TABLE MINIMUM NUMBER OF PLUMBING FIXTURES REQUIRED

GROUP A	FEMALE	MALE
A OCCUPANT (1,535)	768	767
WATER CLOSET REQUIRED	1 PER 500	1 PER 500
WATER CLOSET PROVIDED	4	2
LAVT. REQUIRED	1 PER 750	1 PER 750
LAVT. PROVIDED	2	2
URINAL REQUIRED	-	1 PER 200
URINAL PROVIDED	-	3

FIRE-RESISTANCE RATING REQUIREMENTS

(TABLES 601, 602 & 602.4 IBC 2012)

BUILDING ELEMENTS	HOURS REQUIRED	HOURS PROVIDED
STRUCTURAL FRAME	0	0
EXTERIOR BEARING WALLS	0	0
EXTERIOR NON-BEARING WALLS	0	0
INTERIOR BEARING WALLS	0	0
INTERIOR NON-BEARING WALLS	0	0
FLOOR CONSTRUCTION	0	0
ROOF CONSTRUCTION	0	0
STAIRWELLS (SECTION 1009)	1-HR	1-HR
ELEVATOR SHAFTS (SECTION 713)	1-HR	1-HR
CORRIDORS (SECTION 1018)	0	0
FIRE RATED DOORS (TABLE 716.5)	0	0
DEMISING/PARTITION WALL (SECTION 708)	0	0
FIRE BARRIER (SECTION 707)	0	0
FIRE WALL (SECTION 706)	0	0

SHEET INDEX

SURVEY

SR-0.0 SURVEY
CIVIL
REF: CIVIL SHEET INDEX FOR CIVIL DRAWINGS

ARCHITECTURAL

A-0.0 COVER SHEET
A-0.1 GENERAL NOTES
LSP-1.0 1ST FLR LIFE SAFETY PLAN
LSP-1.1 2ND FLR LIFE SAFETY PLAN
A-1.0 1ST FLOOR PLAN
A-1.1 2ND FLOOR PLAN
A-1.2 ROOF PLAN
A-1.3 1ST FLOOR REFLECTED CEILING PLAN
A-1.4 2ND FLOOR REFLECTED CEILING PLAN
A-1.5 REFLECTED CEILING DETAILS
A-2.0 FRONT ELEVATION
A-2.1 REAR SIDE ELEVATION
A-2.2 LEFT & RIGHT SIDE ELEVATIONS
A-3.0 BUILDING SECTIONS-A&B
A-3.1 BUILDING SECTIONS-C
A-3.2 BUILDING SECTIONS-D
A-3.3 BUILDING SECTIONS-E
A-3.4 ENLARGE WALL SECTIONS
A-3.5 ENLARGE WALL SECTIONS
A-3.6 ENLARGE WALL SECTIONS
A-3.7 ENLARGE WALL SECTIONS
A-3.8 ENLARGE WALL SECTIONS
A-3.9 ENLARGE WALL SECTIONS
A-3.10 ENLARGE WALL SECTIONS
A-4.0 EQUIPMENT PLAN
A-4.1 INTERIOR ELEVATIONS
A-4.2 REST ROOM DETAILS
A-5.0 DOOR AND WINDOW SCHEDULES

A-5.1 ROOM FINISH SCHEDULE
A-5.2 ENLARGED DETAILS
A-6.0 PARTITION WALL TYPES
A-6.1 UL FIRE RATED ASSEMBLY NOTES
ADA-1 ADA NOTES & DETAILS-1
ADA-2 ADA NOTES & DETAILS-2
ADA-3 ADA NOTES & DETAILS-3
ADA-4 ADA NOTES & DETAILS-4

STRUCTURAL

S1 FOUNDATION PLAN
S2 FOUNDATION SECTION AND DETAILS
S2.1 FOUNDATION SECTION AND DETAILS
S3 SECOND FLOOR FRAMING PLAN
S4 ROOF FRAMING PLAN
S5 BUILDING SECTION AND STAIR CONNECTION
S6 BUILDING SECTION FRAMING
S7 BUILDING SECTION FRAMING
S8 BUILDING SECTION FRAMING
S9 GENERAL CONNECTIONS
S10 GENERAL NOTES

MECHANICAL

M-1.0 MECHANICAL SCHEDULE
M-1.1 MECHANICAL SCHEDULE
M-2.0 MECHANICAL FIRST FLOOR PLAN
M-2.1 MECHANICAL SECOND FLOOR PLAN
M-2.2 MECHANICAL ROOF PLAN
M-3.0 MECHANICAL DETAILS
M-3.1 MECHANICAL DETAILS

ELECTRICAL

E-1.0 ELECTRICAL ONE LINE DIAGRAM
E-1.1 ELECTRICAL PANEL SCHEDULE
E-1.2 ELECTRICAL PANEL SCHEDULE
E-1.3 ELECTRICAL NOTE & LEGEND/SYMBOL
E-2.0 LIGHTING FIRST FLOOR PLAN
E-2.1 LIGHTING SECOND FLOOR PLAN
E-3.0 POWER FIRST FLOOR PLAN
E-3.1 POWER SECOND FLOOR PLAN
E-4.0 ELECTRICAL SITE PLAN
E-4.1 ELECTRICAL PHOTOMETRIC PLAN

PLUMBING

P-1.0 PLUMBING SCHEDULE & NOTES LEGEND
P-2.0 SANITARY SEWER FIRST FLOOR PLAN
P-2.1 SANITARY SEWER SECOND FLOOR PLAN
P-2.2 STORM DRAINAGE ROOF PLAN
P-3.0 DOMESTIC WATER FIRST FLOOR PLAN
P-3.1 DOMESTIC WATER SECOND FLOOR PLAN
P-4.0 PLUMBING RISERS
P-5.0 PLUMBING DETAILS
P-6.0 PLUMBING SITE PLAN

HAZARDOUS MATERIALS :
THIS BUILDING SHALL NOT BE USED FOR THE STORAGE AND / OR USE OF HAZARDOUS MATERIALS IN EXCESS OF EXEMPT AMOUNTS LISTED IN THE CITY OF IRVING FIRE CODE.
HIGH-PILED COMBUSTIBLE STORAGE :
THIS BUILDING WILL NOT BE USED FOR HIGH PILED STORAGE.

GENERAL NOTES:

- NOTES:
1. CONTRACTOR TO PROVIDE FOUNDATION, FRAMING, STEEL WELDING/ CONNECTION AND ALL RELATED INSPECTION REQUIRED AS PER IBC 2015 CHAPTER 17.
2. CONTRACTOR SHALL APPLY FOR & PROCURE ALL REQUIRED PERMITS TO COMMENCING WORK.
3. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR COMMENCING WORK. CONTACT UTILITIES COMPANIES MINIMUM 48 HOURS PRIOR ANY WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, ETC. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF THESE UTILITIES.
4. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGN WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS &/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN FORESEEN IN THE DESIGN. SUCH CONDITIONS SHALL BE BROUGHT UP TO THE OWNERS REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY CHANGES DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
5. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER SUBCONTRACTORS ON THE JOBSITE AS REQUIRED TO COMPLETE CONSTRUCTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR QUANTITIES ON PLAN SHOWN BY SYMBOLS. THE PURPOSE IS FOR CONVENIENCE ONLY.

EMERGENCY RESPONDER RADIO COVERAGE (ERRC):

GENERAL NOTE:

OWNER/CONTRACTOR TO ENSURE THAT THIS STRUCTURE SHALL COMPLY WITH ALL APPLICABLE BUILDING CODE REQUIREMENTS OF THE EMERGENCY RESPONDER RADIO COVERAGE (ERRC) PROVISIONS DETAILED IN SECTION 510 OF THE IRVING ADOPTED 2015 IFC. RADIO COVERAGE IS REQUIRED FOR ALL BUILDINGS. SUBJECT TO THE FIRE CODE OFFICIAL'S REQUIREMENTS.

ERRC SHALL COMPLY WITH SECTION 515 OF THE IBC 2015.

SPRINKLER/ALARM SYSTEM

ANY FIRE ALARM SYSTEM, FIXED FIRE EXTINGUISHING SYSTEM, FUEL STORAGE TANKS, GATES, FIRE SPRINKLER SYSTEM, STANDPIPE SYSTEM, PAINT BOOTH, LIMITED SPRAY AREA, AND UNDERGROUND FIRE LINE MUST BE PERMITTED SEPARATELY BY A STATE LICENSED CONTRACTOR WITH WITH CITY OF IRVING, PRIOR TO THEIR INSTALLATION.

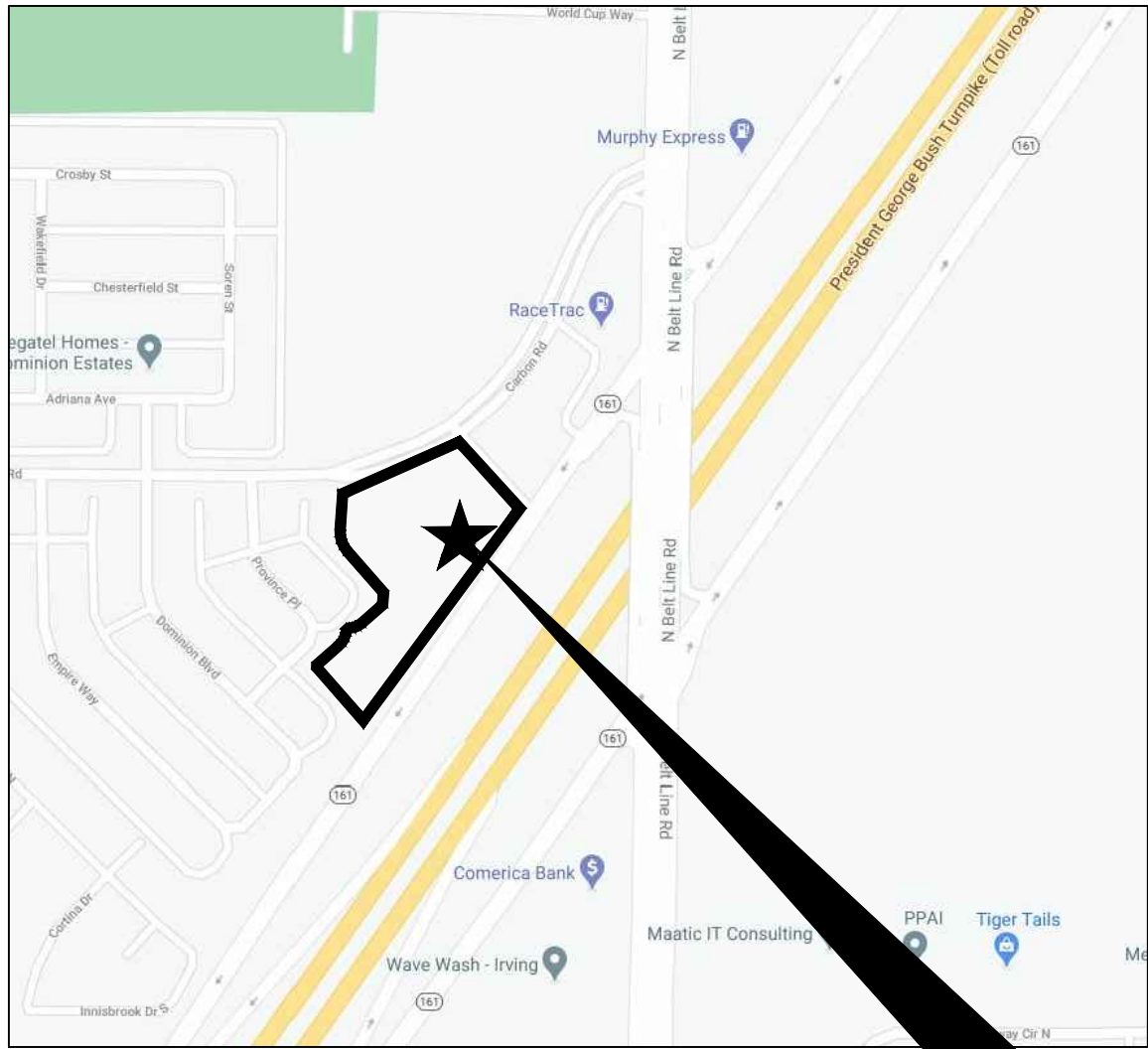
FIRE HOSE VALVES MUST BE LOCATED WITHIN 200 FT. OF ALL AREAS OF THE INTERIOR FOR A SPRINKLERED BUILDING.

ALL PORCHES, BALCONIES AND BREEZEWAYS MUST HAVE FIRE SPRINKLER PROTECTION.

ELEVATOR NOTE:

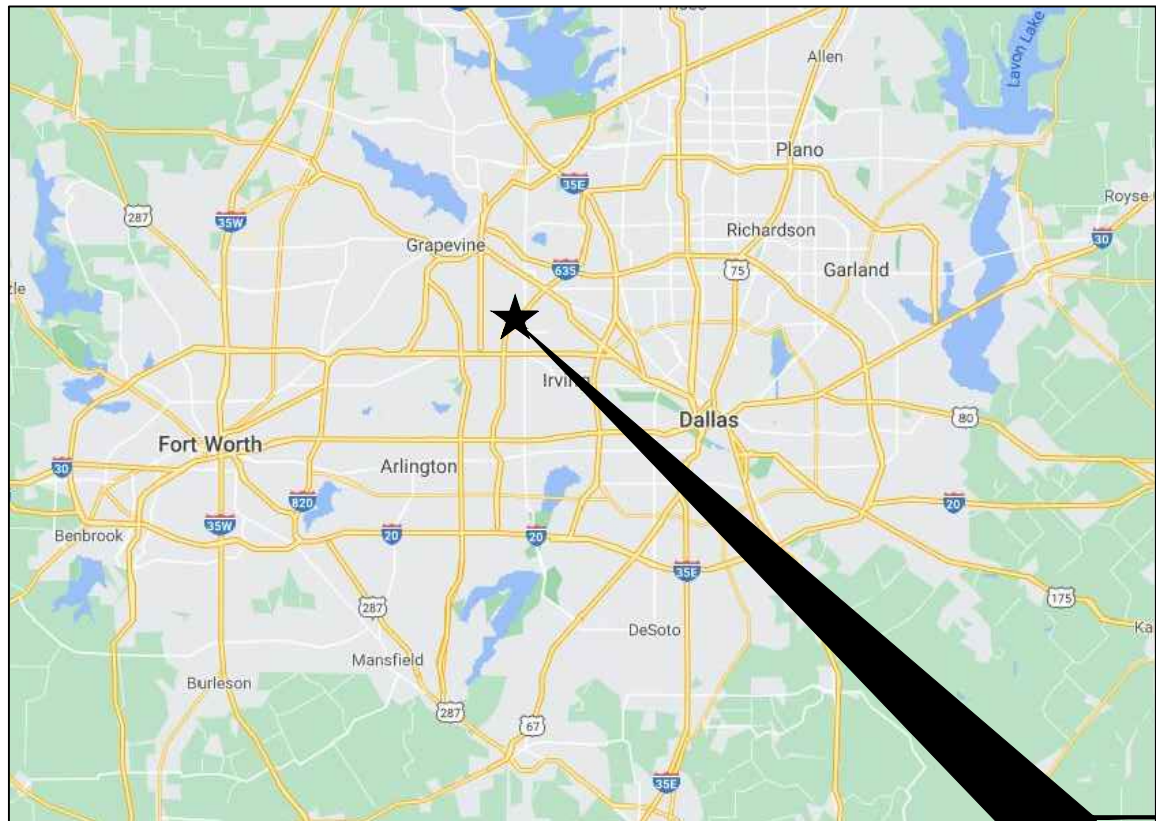
CONTRACTOR SHALL SUBMIT THE ELEVATOR DRAWINGS TO CITY OF IRVING FOR PERMIT APPROVAL PRIOR TO INSTALLATION

KEY MAP



PROJECT LOCATION

PROJECT LOCATION



PROJECT LOCATION

440 Cobia Drive
Suite #1503
Katy, TX 77494
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No.	DATE	REVISIONS
1	9/8/21	CITY COMMENTS

PROJECT TITLE

SHIRIDI SAI CENTER OF TEXAS
LOCATED AT
3600 CARBON RD
IRVING, TX 75038

SEAL



DATE: 9/10/2021

GENERAL NOTES:

CTG Project Number: 075

Drawn By: s.k

Checked By: T.M

Scale: N.T.S

File Path:
C:\dwy\2019 dwg\2019 commercial\19075 8 carbon\19075.dwg (unlocked - 0.00 cover sheet)

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

A-0.0