PROJECT DIRECTORY:

OWNER
CITY OF MARSHALL, TEXAS
CONTACT: FRANK JOHNSON, CITY MANAGER
401 S. ALAMO BLVD.
MARSHALL, TEXAS 75671
(903) 935-4418

ARCHITECTS
PERFORMANCE ARCHITECTURE
CONTACT: BRYAN WHITMAN
650 POYDRAS ST., SUITE 2800
NEW ORLEANS, LA 70130
(504) 799-3000
(504) 799-3010 (FAX)

SINCLAIR & WRIGHT ARCHITECTS
CONTACT: JOE BOUCHER
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
(903) 595-2656
(903) 595-5972 (FAX)

STRUCTURAL ENGINEER
DIETZ ENGINEERS, LLC
212 OLD GRANDE BLVD., SUITE C-124
TYLER, TEXAS 75703
(903) 581-2551
(903) 581-2552 (FAX)

MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEERS
PURTLE & ASSOCIATES
701 TEXAS STREET
SHREVEPORT, LOUISIANA 71101
(310) 425-4500
(318) 222-6564 (FAX)

ACOUSTICAL/THEATRICAL CONSULTANT
WJHW
4801 SPRING VALLEY ROAD, SUITE 113
DALLAS, TEXAS 75244
(972) 934-3700
(972) 934-3720 (FAX)

PROJECT DESCRIPTION:

INTRODUCTION AND SCOPE OF WORK:

THE CITY OF MARSHALL, TEXAS PROPOSES TO RENOVATE THE HISTORIC MEMORIAL CITY HALL BUILDING ON THE SQUARE IN DOWNTOWN MARSHALL. THE BUILDING WAS BUILT IN 1928 AND IS CONSIDERED TO BE A GOOD EXAMPLE OF THE CLASSICAL REVIVAL STYLE OF ARCHITECTURE. THE BUILDING WAS THE SEAT OF GOVERNMENTAL, LAW ENFORCEMENT, AND CIVIC AND CULTURAL ACTIVITY FOR THE COMMUNITY FOR APPROXIMATELY 50 YEARS. IT CONTAINED THE MUNICIPAL AUDITORIUM FOR THE COMMUNITY AND IT HOUSED THE POLICE STATION AND CITY ADMINISTRATIVE OFFICES. THE TIMING OF THE PLANNING AND CONSTRUCTION OF THE BUILDING IN THE MID TO LATE 1920'S CREATED THE OPPORTUNITY FOR THE COMMUNITY TO DEDICATE THE BUILDING AS A MEMORIAL TO HONOR AND REMEMBER THE PEOPLE FROM MARSHALL WHO LOST THEIR LIVES IN WORLD WAR I. AFTER WORLD WAR II THE MEMORIAL DEDICATION OF THE BUILDING WAS EXTENDED TO COVER THE PEOPLE FROM MARSHALL WHO LOST THEIR LIVES IN WORLD WAR II. A PRIMARY OBJECTIVE OF THE PROJECT IS TO RENOVATE THE HISTORIC AUDITORIUM IN THE BUILDING AND RETURN IT TO USE. THE MAIN LOBBY OF THE BUILDING WILL BE EXPANDED BY REMOVING PARTITIONS THAT WERE ADDED TO MAKE ADDITIONAL OFFICES. MODERN RESTROOMS OF ADEQUATE SIZE WILL BE CONSTRUCTED IN THE BASEMENT. THE BUILDING WILL BE REWIRED AND FIRE SAFETY SYSTEMS WILL BE INSTALLED. HEATING AND COOLING SYSTEMS WILL BE UPGRADED. THE ENTIRE BUILDING WILL BE MADE TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE HARRISON COUNTY HISTORICAL MUSEUM WILL OCCUPY PART OF THE BUILDING AND WILL SUPPORT THE DEDICATION OF THE BUILDING AS A MEMORIAL BY DISPLAYING A MILITARY EXHIBIT IN THE BUILDING.

HISTORIC TREATMENT PROCEDURES:

GENERAL: HISTORIC STRUCTURE: THE MARSHALL CITY HALL IS ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES FOR ITS ARCHITECTURAL AND HISTORIC SIGNIFICANCE. IT IS CONSIDERED TO HAVE IRREPLACEABLE CULTURAL, MATERIAL, AND AESTHETIC VALUE. ACKNOWLEDGING THIS VALUE AND SIGNIFICANCE, THE CONTRACTOR AGREES TO EXERCISE SPECIAL CARE DURING ALL PHASES OF THE WORK TO ENSURE THAT THE EXISTING BUILDING, ITS DETAILS, MATERIALS, AND FINISHES WHICH ARE TO REMAIN, ARE NOT DAMAGED BY THE WORK BEING PERFORMED. DRAWINGS AND SPECIFICATIONS SECTIONS HAVE BEEN PREPARED FOR CONFORMANCE WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR REHABILITATION SUBJECT TO THE APPROVAL OF THE NATIONAL PARK SERVICE AND THE TEXAS HISTORICAL COMMISSION. CONTRACTOR SHALL PROVIDE WRITTEN ACKNOWLEDGEMENT AND OBSERVE ALL REQUIREMENTS AND CONDITIONS OF THE NATIONAL PARK SERVICE AND THE STATE OFFICE AND GIVE ALL SUBCONTRACTORS WRITTEN NOTICE OF THE STANDARDS AND PERMIT REQUIREMENTS.

APPLICABLE CODES AND STANDARDS:

INTERNATIONAL BUILDING CODE (2006)
INTERNATIONAL FIRE CODE (2006)
NFPA 101 LIFE SAFETY CODE (2006)
TEXAS ACCESSIBILITY STANDARDS (1994)

PROPOSED USE AND OCCUPANCY CLASSIFICATION:

INTERNATIONAL BUILDING CODE: MIXED NON-SEPARATED: A-1 ASSEMBLY (THEATRE), A-3 ASSEMBLY (HCHM MUSEUM), B BUSINESS (HCHM OFFICES), S STORAGE; (A-1 USED AS MOST RESTRICTIVE TYPE)

NFPA - ASSEMBLY OCCUPANCY

IBC OCCUPANT LOADS:

SPACE:	AREA:	O.L. FACTOR	OCCUPANT LOAD:
LEVEL 1			
LOBBY	1,005	N/A	0 (NO ADDITIONAL OCCUPANT LOAD)
BUSINESS	3,000	100 GROSS	30
STORAGE	1,806	300 GROSS	7
MECHANICAL	266	300 GROSS	2
EXERCISE	459	50 NET	10
			49
LEVEL 2			
LOBBY	1,265	N/A	0
ASSEMBLY A-1	--	SEAT COUNT	432 (MAX. SEAT COUNT)
STAGE	2,279	15 NET	152
MECHANICAL	312	300 GROSS	2
			586
LEVEL 3			
ASSEMBLY A-3 (HCHM MUSEUM SPACE)	1,358	7 NET	194
MECHANICAL	325	300 GROSS	2
			196
LEVEL 4			
LOBBY / HCHM DISPLAY A-3 (ALTERNATE No. 4)	1,392	N/A	93
ASSEMBLY A-1 (FUTURE)	--	--	NOT OCCUPIED THIS PHASE
MECHANICAL	100	100 GROSS	1
			94
			925 (NOT INCLUDING BALCONY OCC. LOAD)

CONSTRUCTION TYPE:

IBC TYPE: III-B (EXISTING)

FIRE PROTECTION FEATURES	CLASSIFICATION
EXTERIOR WALLS	EXISTING MASONRY
VERTICAL EXIT ENCLOSURES	1 HOUR RATED WALLS - SEE NOTE 1, SHEET LS101
OCCUPANCY SEPARATIONS	NOT REQUIRED; 1 HOUR RATED WALLS AROUND DRESSING ROOMS
FIRE SUPPRESSION-	
AUTOMATIC SPRINKLERS	AUTOMATIC WET SPRINKLER SYSTEM PER NFPA 13
STANDPIPE SYSTEM	DRY MANUAL STANDPIPE SYSTEM

BUILDING AREA (GROSS):

SPACE:	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
ENCLOSED	8,226 SQ. FT.	8,214 SQ. FT.	2,019 SQ. FT. 293 SQ. FT. (ALT. #5 FLOOR OPENING)	2,116 SQ. FT. 1,978 SQ. FT. (BALCONY)
SUBTOTAL	8,226 SQ. FT.	8,214 SQ. FT.	2,312 SQ. FT.	4,094 SQ. FT.
TOTAL	22,846 SQ. FT.			

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FINISHED FACE UNLESS OTHERWISE NOTED. WORK ONLY FROM THE WRITTEN DIMENSIONS SHOWN. DO NOT SCALE DRAWINGS. DETAIL DIMENSIONS TAKE PRECEDENCE OVER PLAN DIMENSIONS.
2. THE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS, INCLUDING STRUCTURAL, AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT DEVIATIONS FROM THE DRAWINGS TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY. (SECTION 017300)
3. THE GENERAL CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA CLEAN AND SAFE AND PROTECT ADJACENT AREAS OUTSIDE THE WORK AREA FROM THE WORK OF THIS CONTRACT. (SECTION 017300, GENERAL CONDITIONS)
4. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH HIS SUBCONTRACTORS AND WITH THE OWNER'S SEPARATE SUBCONTRACTORS. ANY CONFLICTS WITH THEIR WORK, EQUIPMENT PLACEMENT, ETC. ARE TO BE RESOLVED PRIOR TO INSTALLATION OF THE WORK. (SECTION 013100)
5. PROVIDE CLEAR ACCESS TO EXITS AND EXIT PATHWAYS AT ALL TIMES.
6. INSTALL ALL MANUFACTURING ITEMS, MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDED SPECIFICATIONS. (SECTION 017300)
7. LOCATIONS AND DIMENSIONS SHALL BE PER ARCHITECTURAL DRAWINGS. DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE START OF WORK. (SECTION 017300, GENERAL CONDITIONS)
8. VARIATIONS FROM WORK SPECIFIED DUE TO AVAILABILITY OF MATERIALS, FIELD CONDITIONS, VARIATIONS IN EQUIPMENT SPECS, ETC. SHALL BE MADE WITH THE APPROVAL OF THE ARCHITECT ONLY. (SECTION 012500)
9. ALL WORK SHALL BE PERFORMED IN COMPLETE COMPLIANCE WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES HAVING JURISDICTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS FOR THE WORK. (SECTION 017300, GENERAL CONDITIONS)
10. IT IS THE INTENT OF THE DOCUMENTS TO PROVIDE FOR COMPLETE AND FINISHED WORK. ALL MISCELLANEOUS MATERIALS, FINISHES, HARDWARE, COMPONENTS, PARTS, ANCHORS, AND OTHER INCIDENTAL ITEMS REQUIRED FOR COMPLETE ASSEMBLY, FUNCTIONING AND OPERATION OF AN ITEM OR SYSTEM SHALL BE PROVIDED. THE CONTRACTOR SHALL INCLUDE ALL COMPONENTS THAT ARE NORMALLY INCIDENTAL TO THE WORK. THOSE COMPONENTS WHICH ARE NOT SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH ARE REQUIRED AS AN ESSENTIAL AESTHETIC OR FUNCTIONAL COMPONENT OF THE WORK, SHALL BE INCLUDED AS IF IT WERE DRAWN OR SPECIFIED. (SECTION 017300, GENERAL CONDITIONS)
11. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE IN A TIMELY MANNER, AT NO ADDITIONAL COST TO THE OWNER, ACCURATE AND COMPLETE DRAWINGS, SKETCHES, AND PHOTOGRAPHS SUFFICIENT TO CLEARLY DESCRIBE DISCREPANCIES, CONFLICTS AND CONCEALED OR OTHERWISE UNANTICIPATED EXISTING CONDITIONS ENCOUNTERED THAT AFFECT NEW CONSTRUCTION. (SECTION 013100)
12. SEE PROJECT MANUAL FOR ADDITIONAL PROJECT INFORMATION, INCLUDING FINISH SCHEDULE, FINISH LEGEND, AND DOOR.
13. ALL EXISTING HAZARDOUS MATERIALS TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION UNDER SEPERATE CONTRACT.

ALTERNATES:

ALTERNATE NO. 1 - STAIR No. 4

ALTERNATE NO. 2 - NEW AUDITORIUM SEATING - MAIN LEVEL

ALTERNATE NO. 3 - NEW FIRE RATED OVERHEAD COILING COUNTER DOOR

ALTERNATE NO. 4 - ADDITIONAL LOBBY SPACE / HCHM DISPLAY AREA BUILD OUT

ALTERNATE NO. 5 - EXPOSE EXISTING LOBBY HISTORIC CEILING

ALTERNATE NO. 6 - LEVEL 1 RAMP - CORRIDOR 1011

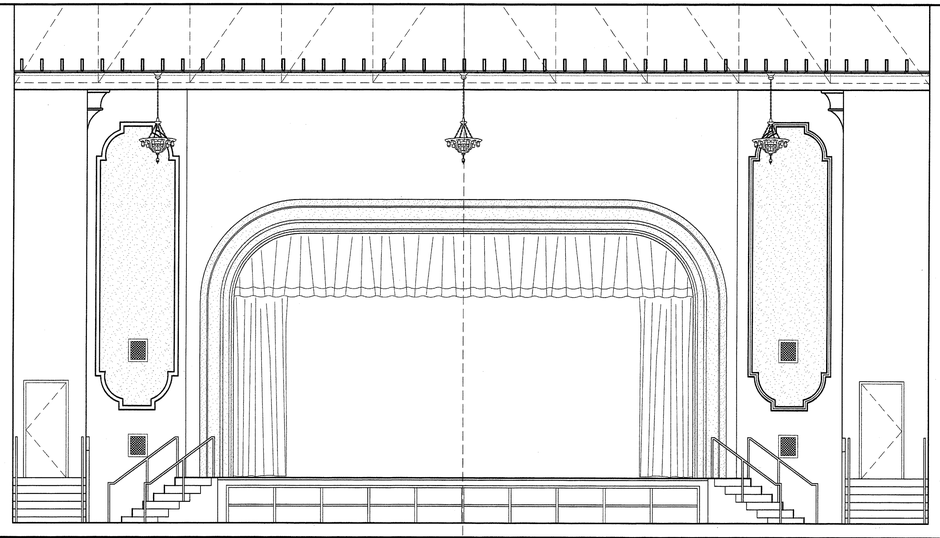
ALTERNATE NO. 7 - REPLACE AUDITORIUM CEILING WITH NEW CEILING TILE (SEE APPENDIX B FINISH LEGEND)

SITE AERIAL:



RENOVATIONS TO MEMORIAL CITY HALL

CITY OF MARSHALL, TEXAS



LEGEND:

SYMBOL	DESCRIPTION
	EXISTING CONSTRUCTION
	REMOVE EXISTING
	NEW CONSTRUCTION
	EXST. TO REMAIN - ONLY CODE REQUIRED WORK THIS SPACE
ROOM NAME 0000	ROOM NAME / ROOM NUMBER
EL. = 0'-0" NOTE	GRADE / ELEV. POINT OR CEILING HEIGHT
1	REVISION MARK
	REVISION CLOUD
0000	DOOR TAG
S1	SIGNAGE TYPE
1	WINDOW TAG
1	KEY NOTE
1	DEMOLITION KEY NOTE
1	PARTITION TYPE
00 A.000	DETAIL REFERENCE: DWG NO. / SHEET NO.
00 A.000	ELEVATION REFERENCE
A.000 A D A.000 B C	INTERIOR ELEVATION REFERENCE
00 0.00	SECTION REFERENCE
A 1	COLUMN GRID MARK / COLUMN GRID LINE
1 TITLE SHEET / SHEET	DWG NO. DRAWING TITLE REFERENCE SHEET NO. / SHEET NO.

INDEX OF DRAWING SHEETS

NO.	TITLE/DESCRIPTION
G101	TITLE SHEET
G102	SURVEY
	ARCHITECTURAL SERIES:
LS101	LEVEL 1 LIFE SAFETY PLAN
LS102	LEVEL 2 LIFE SAFETY PLAN
LS103	LEVEL 3 LIFE SAFETY PLAN
LS104	LEVEL 4 LIFE SAFETY PLAN
AD101	LEVEL 1 DEMOLITION PLAN
AD102	LEVEL 2 DEMOLITION PLAN
AD103	LEVEL 3 DEMOLITION PLAN
AD104	LEVEL 4 DEMOLITION PLAN
A101	SITE DETAILS
A102	RENOVATED LEVEL 1 FLOOR PLAN
A103	RENOVATED LEVEL 2 FLOOR PLAN
A104	RENOVATED LEVEL 3 FLOOR PLAN
A105	RENOVATED LEVEL 4 FLOOR PLAN
A120	ROOF PLAN DEMOLITION & REMODEL
A140	RENOVATED LEVEL 1 REFLECTED CEILING PLAN
A141	RENOVATED LEVEL 2 REFLECTED CEILING PLAN
A142	RENOVATED LEVEL 3 REFLECTED CEILING PLAN
A143	RENOVATED LEVEL 4 REFLECTED CEILING PLAN
A201	EXTERIOR ELEVATIONS - NORTH AND SOUTH
A202	EXTERIOR ELEVATIONS - EAST AND WEST
A300	BUILDING SECTIONS
A410	DRESSING ROOM DETAILS & SIGNAGE TYPES
A420	INTERIOR ELEVATIONS - TOILET ROOMS
A430	INTERIOR ELEVATIONS - THEATRE
A440	INTERIOR ELEVATIONS - LEVEL 1 LOBBY
A441	INTERIOR ELEVATIONS - LEVEL 2 LOBBY
A442	INTERIOR ELEVATIONS - LEVEL 3 LOBBY
A443	INTERIOR ELEVATIONS - LEVEL 4 LOBBY
A550	ENLARGED PLANS
A551	RAMP, STAIR & ELEVATOR DETAILS
A600	PARTITION TYPES & DETAILS
A601	WINDOW INSERT DETAILS
A602	PLAN DETAILS
A603	LEVEL 4 FLOOR DETAILS
A610	DOOR & WINDOW DETAILS
A705	ADD ALTERNATE DETAILS
TS000	THEATER SYSTEMS STANDARDS & NOTÉS
TS102	LEVEL 2 THEATRICAL SYSTEMS PLAN
TS104	LEVEL 4 THEATRICAL SYSTEMS PLAN
TS301	THEATER SYSTEMS LONGITUDINAL SECTION AT CENTERLINE
	STRUCTURAL SERIES:
S100	STRUCTURAL NOTES
S101	FOUNDATION PLAN AND STRUCTURAL NOTES
S102	LEVEL 2 FRAMING PLAN

NO.	TITLE/DESCRIPTION
	STRUCTURAL SERIES CONT.:
S103	LEVEL 3 FRAMING PLAN
S104	LEVEL 4 FRAMING PLAN
S105	ROOF FRAMING PLAN
S201	FOUNDATION DETAILS
S202	FOUNDATION DETAILS
S203	FOUNDATION DETAILS
S301	FRAMING DETAILS
S302	FRAMING DETAILS
S303	FRAMING DETAILS
	MECHANICAL, ELECTRICAL, PLUMBING SERIES:
MD1.01	FLOOR PLAN LEVEL 1 - MECHANICAL DEMOLITION
MD1.02	FLOOR PLAN LEVEL 2 - MECHANICAL DEMOLITION
MD1.03	FLOOR PLAN LEVEL 3 - MECHANICAL DEMOLITION
MD1.04	FLOOR PLAN LEVEL 4 - MECHANICAL DEMOLITION
ME1.01	SITE PLAN - MECHANICAL AND ELECTRICAL
ME2.01	ROOF PLAN - MECHANICAL AND ELECTRICAL
M1.01	FLOOR PLAN LEVEL 1 - HVAC
M1.02	FLOOR PLAN LEVEL 2 - HVAC
M1.03	FLOOR PLAN LEVEL 3 - HVAC
M1.04	FLOOR PLAN LEVEL 4 - HVAC
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P1.03	FLOOR PLAN LEVEL 3 - PLUMBING
P1.04	FLOOR PLAN LEVEL 4 - PLUMBING
P2.01	PLUMBING LEGENDS AND DETAILS
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E1.02	FLOOR PLAN LEVEL 2 - POWER
E1.03	FLOOR PLAN LEVEL 3 - POWER
E1.04	FLOOR PLAN LEVEL 4 - POWER
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E2.04	FLOOR PLAN LEVEL 4 - LIGHTING
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E3.02	ELECTRICAL SCHEDULES
FP1.01	FLOOR PLAN LEVEL 1 FIRE PROTECTION
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FP1.03	FLOOR PLAN LEVEL 3 FIRE PROTECTION
FP1.04	FLOOR PLAN LEVEL 4 FIRE PROTECTION

RENOVATIONS TO MEMORIAL CITY HALL
110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD 17686 STATE OF TEXAS
SEAL

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

CHECKED BY: PA
DRAWN BY: PA
PROJECT NO. 10-001

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SHEET TITLE
TITLE SHEET
GENERAL INFORMATION
CODE SUMMARY &
DRAWING CONVENTIONS

SHEET NO.
G101

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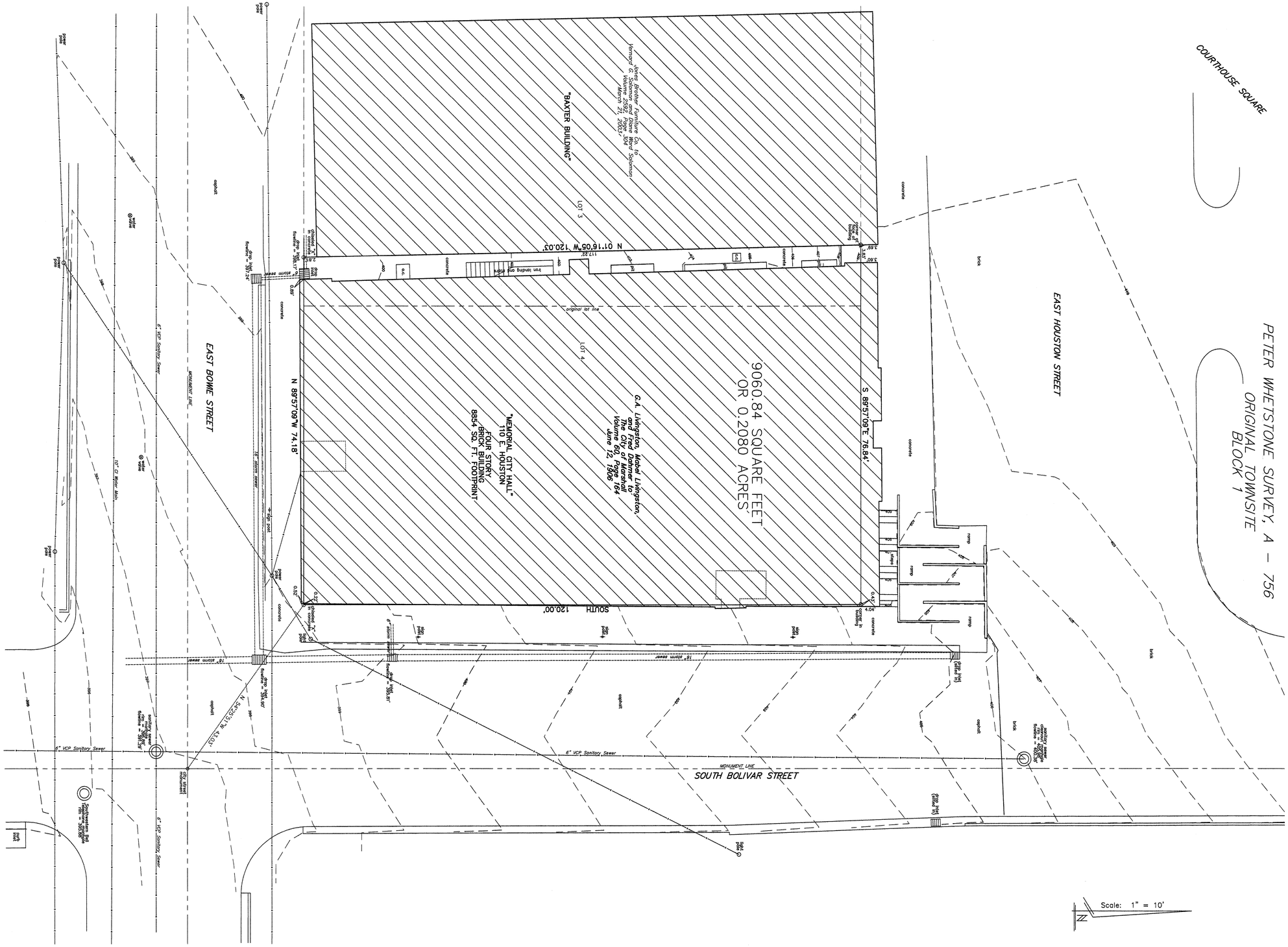
RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972



1 MEMORIAL CITY HALL - SURVEY

SEAL

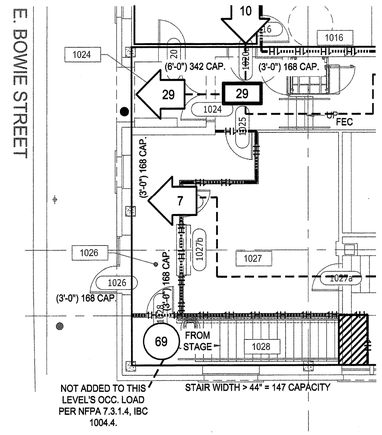
NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

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PROJECT NO. 10-001

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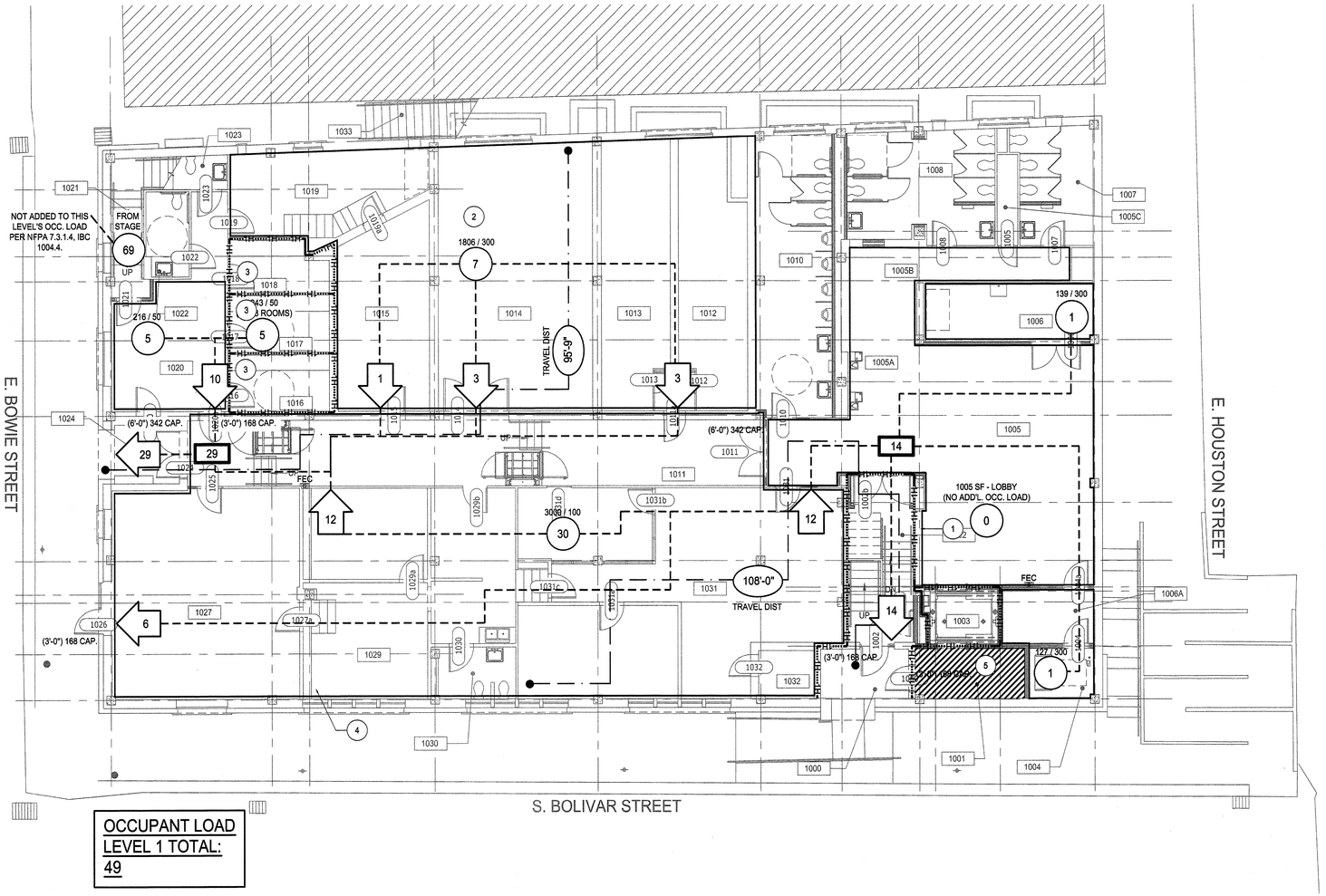
SHEET TITLE
SURVEY

SHEET NO.
G102



2 LEVEL 1 FLOOR PLAN - ADD ALTERNATE No. 1 - STAIR No. 4 & ADD ALTERNATE No. 3 - COUNTER DOOR - 1/8" SCALE
LS101

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



OCCUPANT LOAD
LEVEL 1 TOTAL:
49

1 LEVEL 1 LIFE SAFETY FLOOR PLAN - 1/8" SCALE
LS101

PLAN NORTH

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

LEGEND

- SQUARE FOOTAGE
- OCCUPANT LOAD FACTOR
- 1873 / 300 — 7 — TABULAR OCCUPANT LOAD
- 19 — CUMULATIVE OCCUPANT LOAD
- 168 — REQUIRED EXIT CAPACITY AT OPENING
- TRAVEL DIST 95'-9" — TRAVEL DISTANCE TOTAL LENGTH
- FEC — FIRE EXTINGUISHER CABINET
- (6'-0") 342 CAP. — OPENING WIDTH / MAXIMUM EXIT CAPACITY AT OPENING
- TRAVEL DISTANCE PATH
- BOUNDARY OF NON-SEPARATED USE GROUP
- 1 HOUR RATED WALL
- 1 HOUR RATED CEILING (SEE KEYNOTES FOR DESCRIPTION)

LIFE SAFETY PLAN - KEY NOTES

1. 1 HR RATED STAIR ENCLOSURES (TYP. FOR 2 EXST. MAIN STAIRS).
   1 HR ALLOWED PER IBC 2006 1021.1 - LEVEL 3 CONSIDERED "MEZZANINE" LEVEL PER MARSHALL FIRE DEPARTMENT (4-22-10), SO BOTH STAIRS ARE CONNECTING <4 FLOORS.

   ALSO, INTERNATIONAL FIRE CODE 704.1 PERTAINING TO EXST. BUILDINGS, TABLE 704.1 FOR VERTICAL OPENINGS CONNECTING 3-5 STORIES, 1 HOUR OR AUTOMATIC SPRINKLER SYSTEM.
2. S-1 STORAGE >100 SF NOT 1 HOUR RATED BECAUSE BLDG. IS SPRINKLERED.
3. PER IBC 2006 410.5.2, 1 HOUR RATING BETWEEN DRESSING ROOMS
4. AREA OF WHI - 495, 1 HR RATED CEILING: 2 1/2" CH STUDS WITH 1" SHAFTWALL LINER IN UPWARD POSITION (SIM TO PARTITION TYPE 5) - ADD ALTERNATE No. 1.
5. CEILING HEIGHT APPROX. 7'-1 5/8" UNDER NEW STEEL JOIST/FURRING/GYP. BD. CLNG. ASSEMBLY. SEE DETAIL 2/A440 FOR MORE INFORMATION.

RENOVATIONS TO MEMORIAL CITY HALL
110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD STATE OF TEXAS

SEAL

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

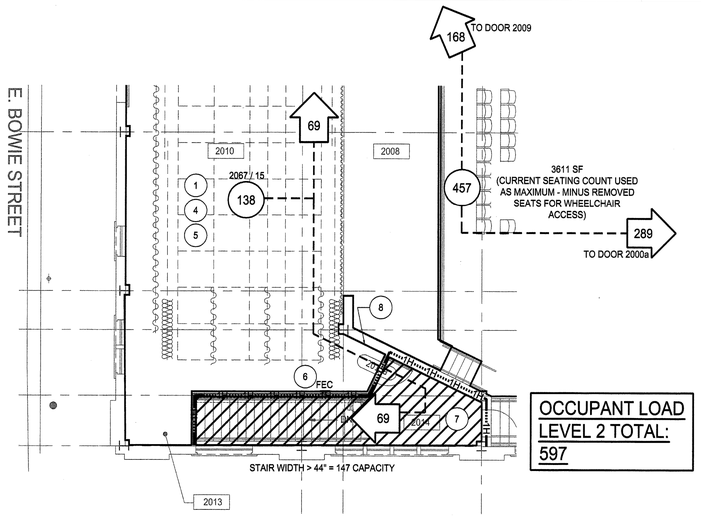
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PROJECT NO.	10-001

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SHEET TITLE
RENOVATED
LEVEL 1
LIFE SAFETY PLAN

SHEET NO.
LS101

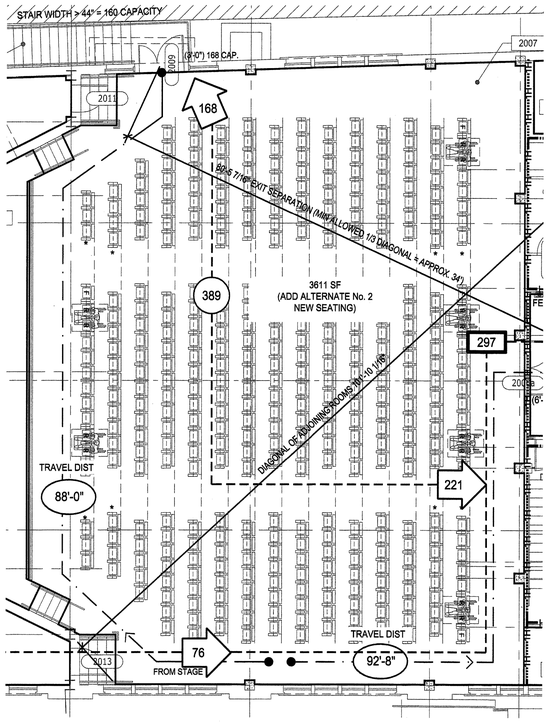
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OCCUPANT LOAD
LEVEL 2 TOTAL:
597

3 LEVEL 2 LIFE SAFETY FLOOR PLAN - ADD ALTERNATE No. 1 - STAIR No. 4 - 1/8" SCALE
LS102

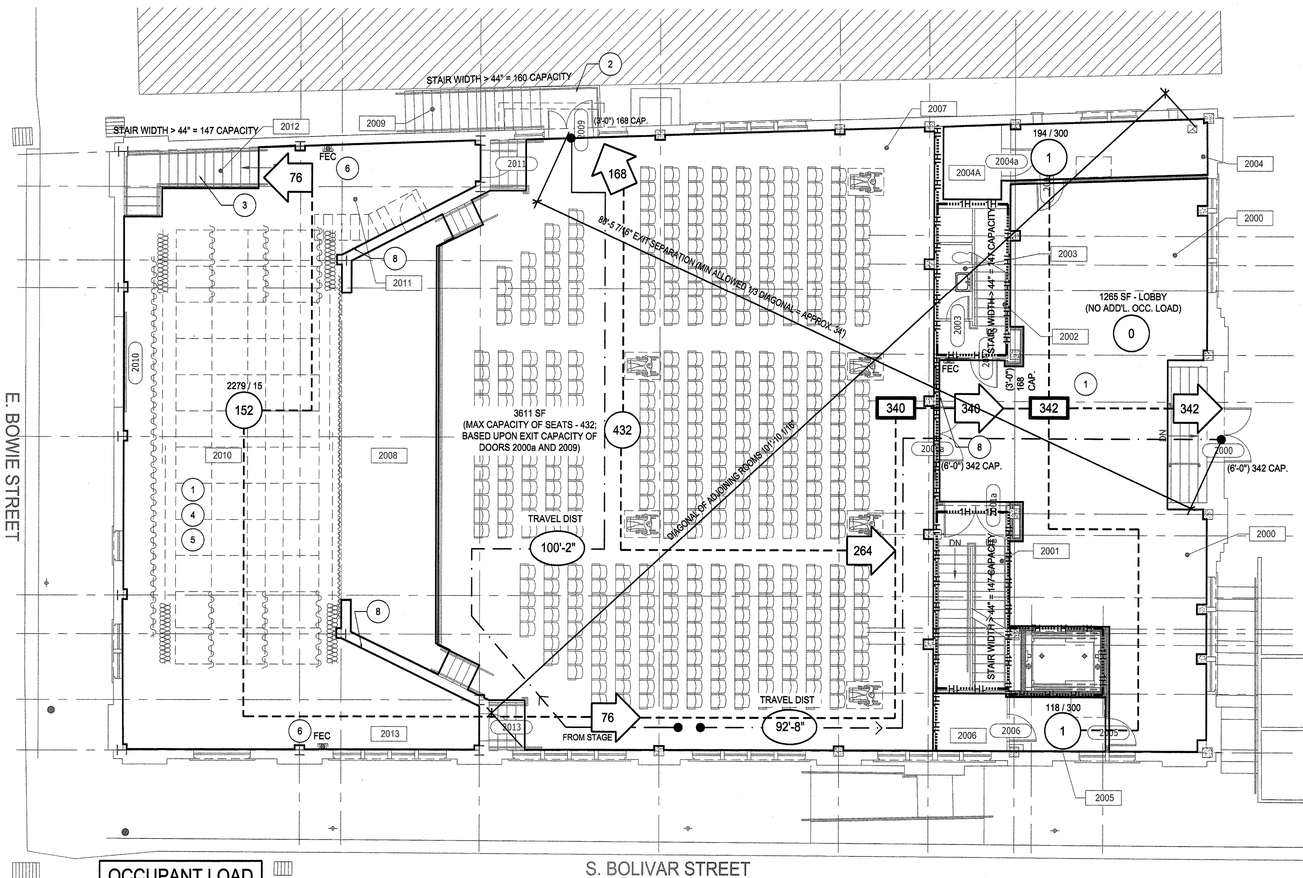
SCALE 1/8" = 1'-0"
0 4 8 16



2 LEVEL 2 LIFE SAFETY FLOOR PLAN - ADD ALTERNATE NO. 2 (NEW SEATING)
LS102

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

OCCUPANT LOAD
LEVEL 2 TOTAL:
543



OCCUPANT LOAD
LEVEL 2 TOTAL:
586

1 LEVEL 2 LIFE SAFETY FLOOR PLAN - 1/8" SCALE
LS102

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

LEGEND

- SQUARE FOOTAGE
- OCCUPANT LOAD FACTOR
- 1873 / 300
- 7 — TABULAR OCCUPANT LOAD
- 19 — CUMULATIVE OCCUPANT LOAD
- 168 — REQUIRED EXIT CAPACITY AT OPENING
- TRAVEL DIST 95'-9" — TRAVEL DISTANCE TOTAL LENGTH
- FEC — FIRE EXTINGUISHER CABINET
- (6'-0") 342 CAP. — OPENING WIDTH / MAXIMUM EXIT CAPACITY AT OPENING
- TRAVEL DISTANCE PATH
- BOUNDARY OF NON-SEPARATED USE GROUP
- 1 HOUR RATED WALL
- 1 HOUR RATED CEILING (SEE KEYNOTES FOR DESCRIPTION)

LIFE SAFETY PLAN - KEY NOTES

1. EXISTING FLOOR IS CONCRETE OF VARYING THICKNESS AND STRUCTURAL SUPPORT; ASSUME FLOOR IS ONE-HOUR RATED AND TREAT ALL PENETRATIONS ACCORDINGLY.
2. EXTERIOR STAIR UNPROTECTED PER: NFPA 101 LIFE SAFETY CODE 7.2.2.6.3.1 EXCEPTION 5. INTERNATIONAL FIRE CODE 2006 1027.19 EXCEPTION 1 (SEPARATION FROM INTERIOR NOT REQUIRED FOR BLDGS <2 STORIES ABOVE GRADE WHERE LED FIRST STORY ABOVE GRADE). THIS PORTION OF BLDG. IS <2 STORIES ABOVE GRADE.

   UNPROTECTED STAIR APPROVED BY MARSHALL FIRE DEPARTMENT 2-23-10.
3. STAGE STAIRS NOT REQUIRED TO BE PROTECTED PER: IBC 2006 1021.1 EXCEPTION 7 (STAIRS REQUIRED BY 401.5.3 - STAGE STAIRS - NOT REQUIRED TO BE ENCLOSED).

   NEW STAIR IS BEING ENCLOSED AND 1 HOUR RATED TO INCREASE EXIT SAFETY.
4. STAGE HEIGHT <50' ("REGULAR STAGE") SO NO RATED PROSCENIUM WALL AND CURTAIN REQUIRED PER IBC 2006 410.3.4, 410.3.5 AND NFPA 101 13.4.5.6.
5. STAGE >1000 SF SO EMERGENCY STAGE VENTILATION (ROOF VENTS) REQUIRED BY IBC 2006 401.3.7. & NFPA 101 13.4.5.5.
6. PER IBC 2006 905.3.4 AND NFPA 101 13.4.5.12.1, AND IFC 905.3.4, STAGE IS >1000 SF, SO 1 1/2" HOSE CONNECTIONS IN ACCORDANCE WITH NFPA 13 OR NFPA 14 FOR CLASS II OR III STANDPIPES ARE REQUIRED.

   PER MARSHALL FIRE DEPARTMENT 2-23-10, HOSE CABINETS AT ENDS OF STAGE WILL BE ALLOWED TO BE OMITTED WITH THE INSTALLATION PROPERLY SIZED AND MOUNTED FIRE EXTINGUISHERS LOCATED AT EACH END OF STAGE.
7. AREA OF WHI - 495 1 HR RATED CEILING: 2 1/2" CH STUDS WITH 1" SHAFTWALL LINER IN UPWARD POSITION (SIM TO PARTITION TYPE 5) - ADD ALTERNATE No. 1.
8. POSTED SIGNAGE: "MAXIMUM OCCUPANCY SEATING: 432. MAXIMUM OCCUPANCY PLATFORM: 152." SEE A410 FOR SIGN GRAPHIC.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT
MICHAEL R. HOWARD
096
STATE OF TEXAS

SEAL

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

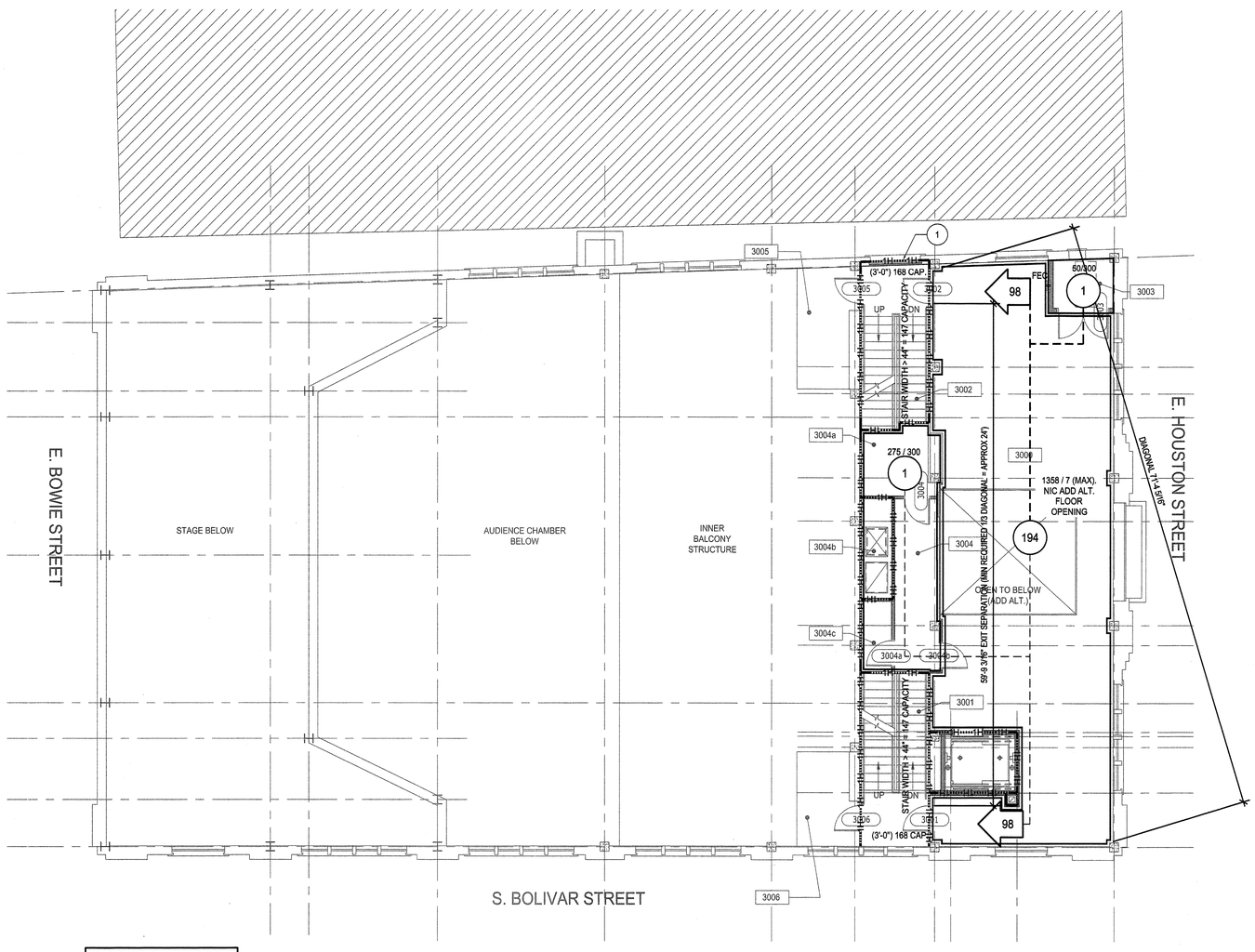
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SHEET TITLE
RENOVATED
LEVEL 2
LIFE SAFETY PLAN

SHEET NO.
LS102

23 Jun 11 - 3:46pm



OCCUPANT LOAD
LEVEL 3 TOTAL:
196

1 LS103 LEVEL 3 LIFE SAFETY FLOOR PLAN - 1/8" SCALE

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

LEGEND

- SQUARE FOOTAGE
- OCCUPANT LOAD FACTOR
- 1873 / 300 — 7 — TABULAR OCCUPANT LOAD
- 19 — CUMULATIVE OCCUPANT LOAD
- 168 — REQUIRED EXIT CAPACITY AT OPENING
- TRAVEL DIST 95'-9" — TRAVEL DISTANCE TOTAL LENGTH
- FEC — FIRE EXTINGUISHER CABINET
- (6'-0") 342 CAP. — OPENING WIDTH; MAXIMUM EXIT CAPACITY AT OPENING
- TRAVEL DISTANCE PATH
- BOUNDARY OF NON-SEPARATED USE GROUP
- 1 HOUR RATED WALL
- 1 HOUR RATED CEILING (SEE KEYNOTES FOR DESCRIPTION)

CONSTRUCTION PLAN - KEY NOTES

1 CLOSE WINDOW OPENING WITH 1 HR RATED ASSEMBLY. SEE PARTITION TYPES.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2600
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

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320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

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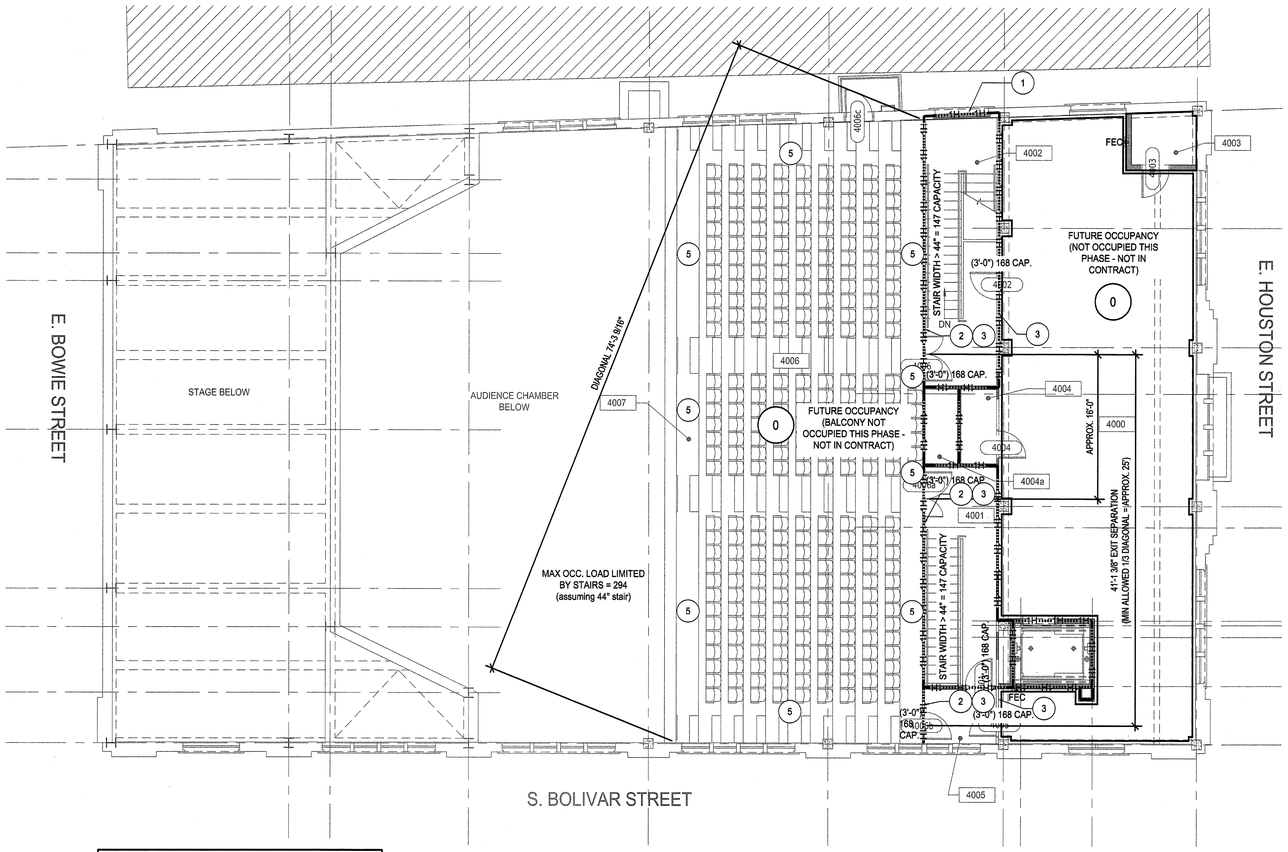
SHEET TITLE

RENOVATED
LEVEL 3
LIFE SAFETY PLAN

SHEET NO.

LS103

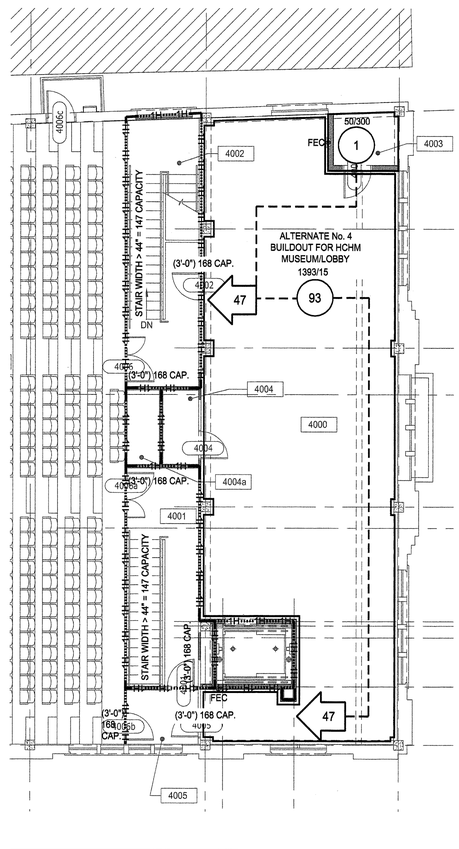
23 Jun 11 - 3:04pm



OCCUPANT LOAD LEVEL 4 TOTAL (BASE BID): 0
FUTURE MAXIMUM: APPROXIMATELY 294 (BASED UPON EXST. STAIR WIDTH)

1 LEVEL 4 LIFE SAFETY FLOOR PLAN - 1/8" SCALE
LS104

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



OCCUPANT LOAD LEVEL 4 TOTAL (WITH ALT. No. 4 BUILDOUT): 94

2 LEVEL 4 LIFE SAFETY FLOOR PLAN - ADD ALT. No. 4 - 1/8" SCALE
LS104

PLAN NORTH

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

LEGEND

- SQUARE FOOTAGE
- OCCUPANT LOAD FACTOR
- 1873 / 300
- 7 — TABULAR OCCUPANT LOAD
- 19 — CUMULATIVE OCCUPANT LOAD
- 168 — REQUIRED EXIT CAPACITY AT OPENING
- TRAVEL DIST 95'-9" — TRAVEL DISTANCE TOTAL LENGTH
- FEC — FIRE EXTINGUISHER CABINET
- (6'-0") 342 CAP. — OPENING WIDTH / MAXIMUM EXIT CAPACITY AT OPENING
- TRAVEL DISTANCE PATH
- BOUNDARY OF NON-SEPARATED USE GROUP
- 1 HOUR RATED WALL
- 1 HOUR RATED CEILING (SEE KEYNOTES FOR DESCRIPTION)

LIFE SAFETY PLAN - KEY NOTES

1. CLOSE WINDOW OPENING WITH 1 HR RATED ASSEMBLY
2. POSTED SIGN: "BALCONY SEATING OFF LIMITS FOR ASSEMBLY USE. AUTHORIZED PERSONNEL ONLY"

   NOTE:* FUTURE OCCUPANT LOAD CALCULATED FOR PLANNING PURPOSES ONLY. IN FUTURE PHASES, OWNER TO COMPLY WITH CODE REQUIREMENTS FOR AISLE SPACING, SELF RISING SEATS, MEANS OF EGRESS ILLUMINATION, ETC. PRIOR TO BALCONY USE. SEE A410 FOR SIGN GRAPHIC.
3. POSTED SIGN: "MAXIMUM OCCUPANCY THIS LEVEL 294" "EXHIBIT SPACE CLOSED TO PUBLIC WHEN BALCONY IN USE DURING PERFORMANCES"

   NOTE:* ADD ALTERNATE No. 4 BUILDOUT WILL BE USED AS LOBBY & HCHM EXHIBIT SPACE. DUE TO SIMULTANEOUS OCCUPANCY INCREASING CAPACITY BEYOND THAT OF EXST. EXIT STAIRS, THIS SPACE IS PROHIBITED TO BE OCCUPIED IN ADDITION TO THE BALCONY CAPACITY. TOTAL LEVEL CAPACITY (LIMITED BY EXST. STAIR WIDTH) IS 294. SEE A410 FOR SIGN GRAPHIC.
4. POSTED SIGN: "ROOF ACCESS. AUTHORIZED PERSONNEL ONLY." SEE A410 FOR SIGN GRAPHIC.
5. SEATS TO BE REMOVED THIS PHASE, TO LIMIT BALCONY SEAT COUNT TO 293. SEE A105 FOR REMOVED SEAT LOCATIONS.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD STATE OF TEXAS

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SHEET TITLE

RENOVATED LEVEL 4 LIFE SAFETY PLAN

SHEET NO.

LS104

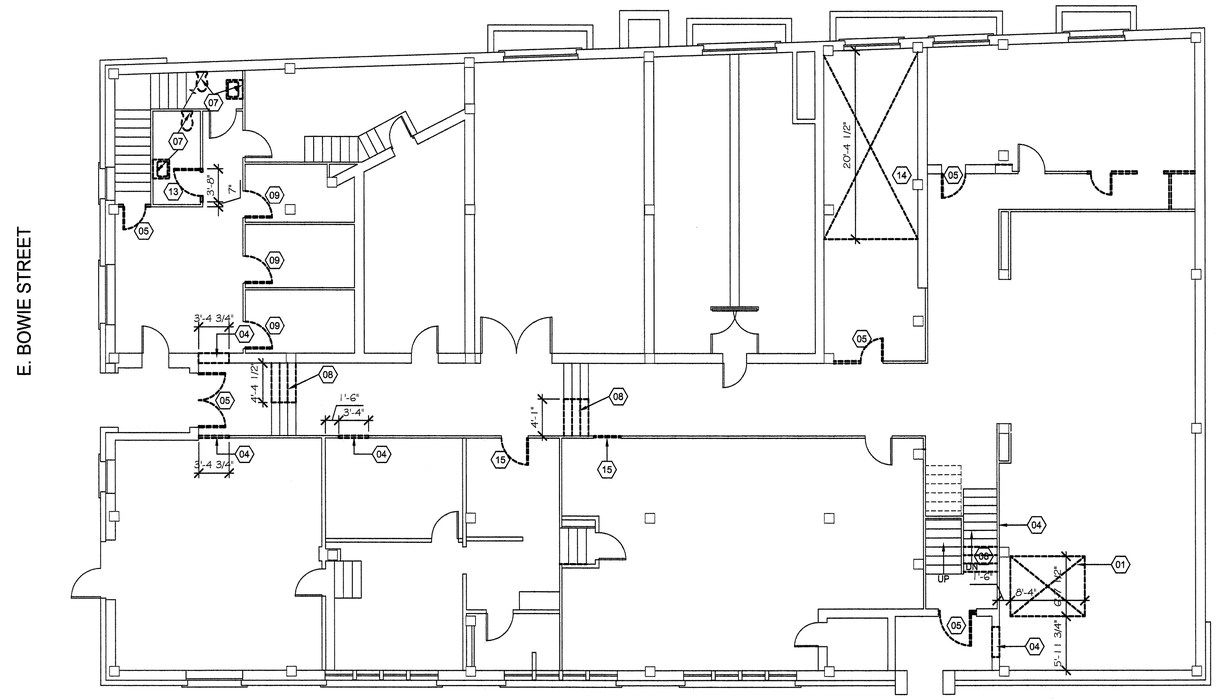
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GENERAL NOTES:

01 DIMENSION SHOWN FOR NEW OPENINGS ARE NOMINAL BASED ON DOOR AND FRAME DIMENSIONS, CLEARANCES NEEDED FOR SETTING AND ADJUSTING FRAMES MUST BE ADDED.
02 PROVIDE TEMPORARY SHORING WHERE EVER REMOVAL OF EXISTING CONSTRUCTION REMOVES SUPPORT FOR EXISTING CONSTRUCTION TO REMAIN.

DEMOLITION KEYNOTES: (ALL NOTES MAY NOT APPLY TO THIS SHEET)

01 REMOVE CONCRETE SLAB FOR NEW ELEVATOR PIT, SEE STRUCTURAL DWG.
02 REMOVE 1/2 HT. WALL.
03 REMOVE PLATFORM.
04 REMOVE FULL HEIGHT WALL.
05 REMOVE DOOR AND FRAME.
06 REMOVE TOILET PARTITIONS.
07 REMOVE PLUMBING FIXTURE(S), SEE PLUMBING DWGS.
08 REMOVE STAIRS AS REQUIRED.
09 REMOVE EXISTING DOOR, FRAME AND TRANSOM
10 REMOVE WINDOW AND FRAME.
11 REMOVE SLAB FOR NEW STAIRS, SEE STRUCTURAL DWGS.
12 REMOVE EXISTING SEAT AND HARDWARE.
13 REMOVE EXISTING DOOR. SEE DOOR SCHEDULE
14 REMOVE EXISTING SLAB
15 REMOVE EXISTING DOOR AND FRAME ONLY UNDER ALT. NO. 6



1 MEMORIAL CITY HALL - LEVEL 1 DEMO PLAN

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

0 4' 8' 16'

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

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650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT 31 STATE OF TEXAS

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SHEET TITLE
LEVEL 1 FLOOR PLAN

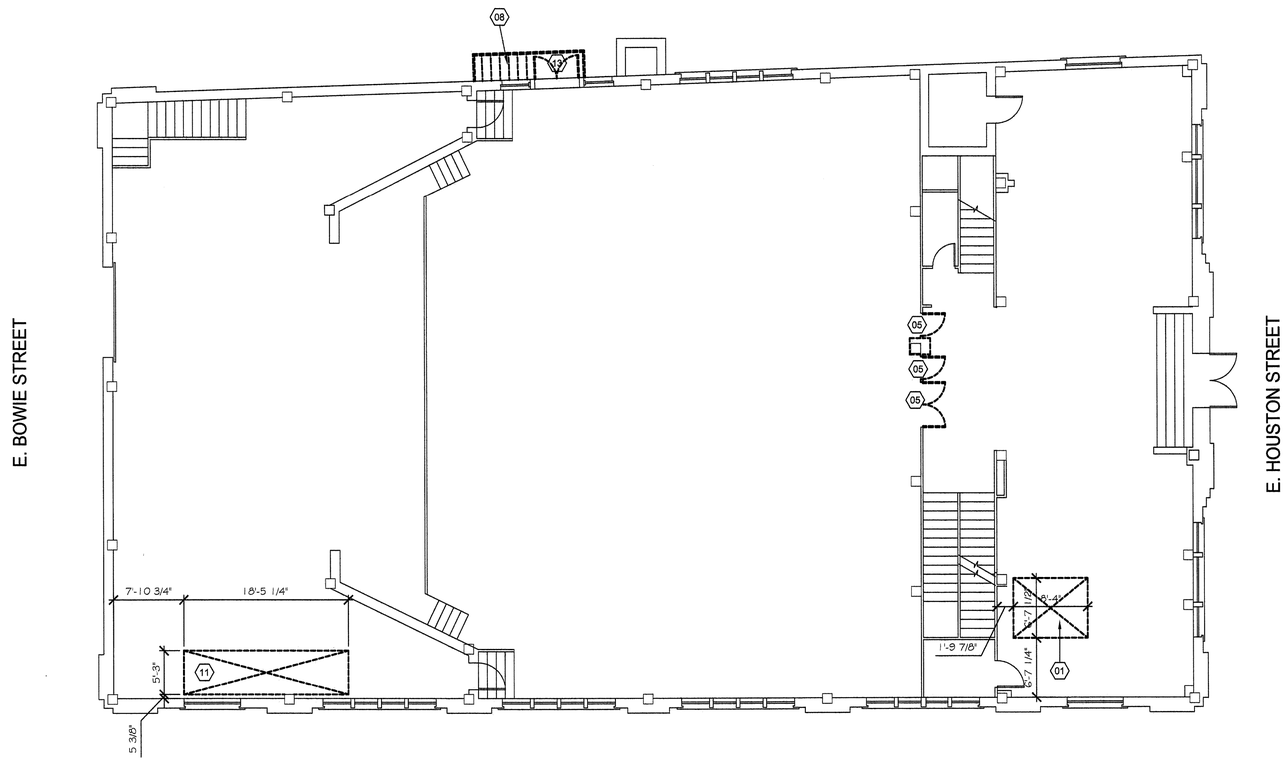
SHEET NO.
AD101

GENERAL NOTES:

01 DIMENSION SHOWN FOR NEW OPENINGS ARE NOMINAL BASED ON DOOR AND FRAME DIMENSIONS, CLEARANCES NEEDED FOR SETTING AND ADJUSTING FRAMES MUST BE ADDED.
02 PROVIDE TEMPORARY SHORING WHERE EVER REMOVAL OF EXISTING CONSTRUCTION REMOVES SUPPORT FOR EXISTING CONSTRUCTION TO REMAIN.

DEMOLITION KEYNOTES: (ALL NOTES MAY NOT APPLY TO THIS SHEET)

01 REMOVE CONCRETE SLAB FOR NEW ELEVATOR, SEE STRUCTURAL DWG.
02 REMOVE 1/2 HT. WALL.
03 REMOVE PLATFORM.
04 REMOVE FULL HEIGHT WALL.
05 REMOVE DOOR AND FRAME.
06 REMOVE TOILET PARTITIONS.
07 REMOVE PLUMBING FIXTURE(S), SEE PLUMBING DWGS.
08 REMOVE STAIRS AS REQUIRED.
09 REMOVE SHELVING AND ALL BRACKETS.
10 REMOVE WINDOW AND FRAME.
11 REMOVE SLAB FOR NEW STAIRS UNDER ALT. NO. A, SEE STRUCTURAL DWGS.
12 REMOVE EXISTING SEAT AND HARDWARE.
13 REMOVE EXISTING DOOR. SEE DOOR SCHEDULE



1 MEMORIAL CITY HALL - LEVEL 2 DEMO PLAN

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

0 4' 8' 16'

N

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT 3717 STATE OF TEXAS

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SHEET TITLE
LEVEL 2 FLOOR PLAN
DEMOLITION

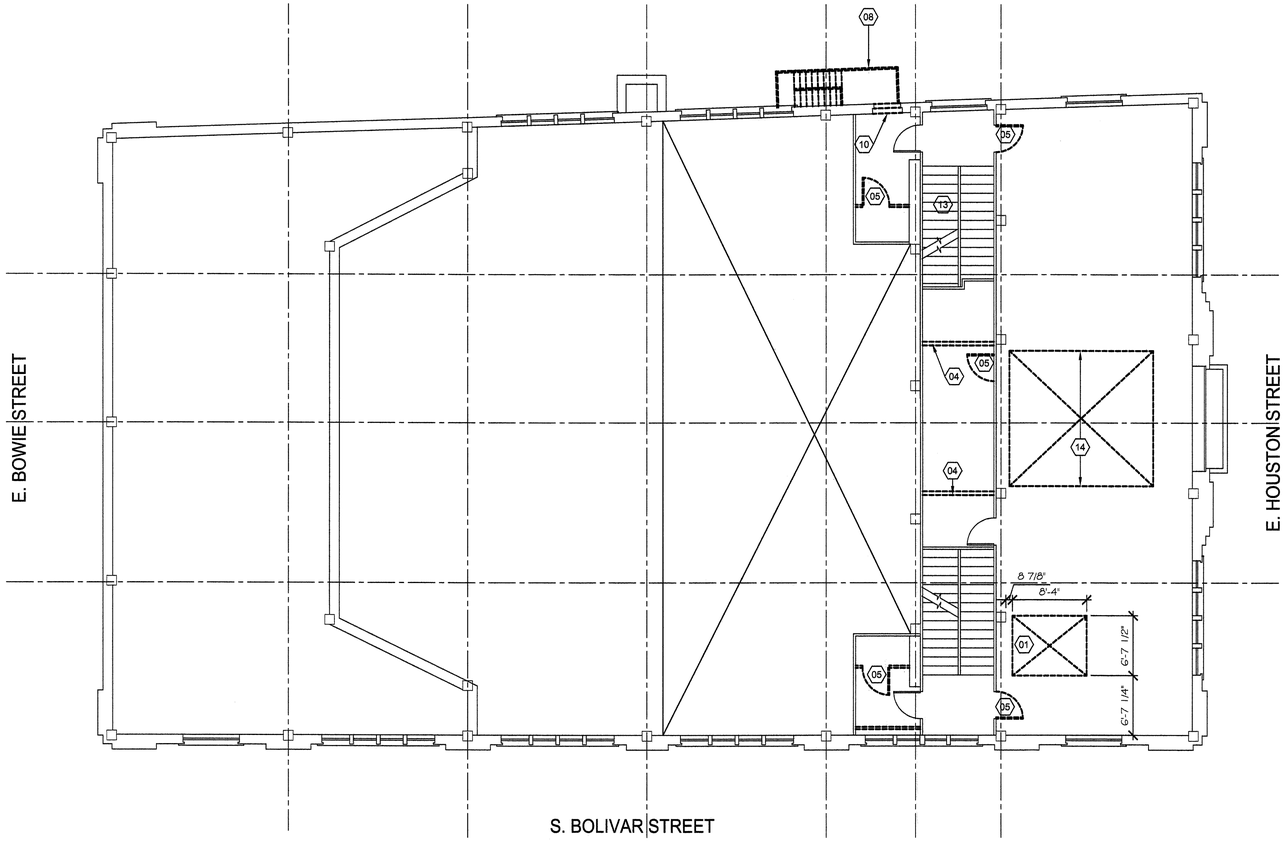
SHEET NO.
AD102

GENERAL NOTES:

01 DIMENSION SHOWN FOR NEW OPENINGS ARE NOMINAL BASED ON DOOR AND FRAME DIMENSIONS, CLEARANCES NEEDED FOR SETTING AND ADJUSTING FRAMES MUST BE ADDED.
02 PROVIDE TEMPORARY SHORING WHERE EVER REMOVAL OF EXISTING CONSTRUCTION REMOVES SUPPORT FOR EXISTING CONSTRUCTION TO REMAIN.

DEMOLITION KEYNOTES: (ALL NOTES MAY NOT APPLY TO THIS SHEET)

01 REMOVE CONCRETE SLAB FOR NEW ELEVATOR, SEE STRUCTURAL DWG.
02 REMOVE 1/2 HT. WALL.
03 REMOVE PLATFORM.
04 REMOVE FULL HEIGHT WALL.
05 REMOVE DOOR AND FRAME.
06 REMOVE TOILET PARTITIONS.
07 REMOVE PLUMBING FIXTURE(S), SEE PLUMBING DWGS.
08 REMOVE STAIRS AS REQUIRED.
09 REMOVE SHELVING AND ALL BRACKETS.
10 REMOVE WINDOW AND FRAME.
11 REMOVE SLAB FOR NEW STAIRS, SEE STRUCTURAL DWGS.
12 REMOVE EXISTING SEAT AND HARDWARE.
13 REMOVE EXISTING DOOR. SEE DOOR SCHEDULE
14 ALT NO. 5: REMOVE EXISTING SLAB



1 MEMORIAL CITY HALL - LEVEL 3 DEMO PLAN

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

0 4' 8' 16'

N

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2666 F 903.595.5972

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SHEET TITLE
LEVEL 3 FLOOR PLAN
DEMOLITION

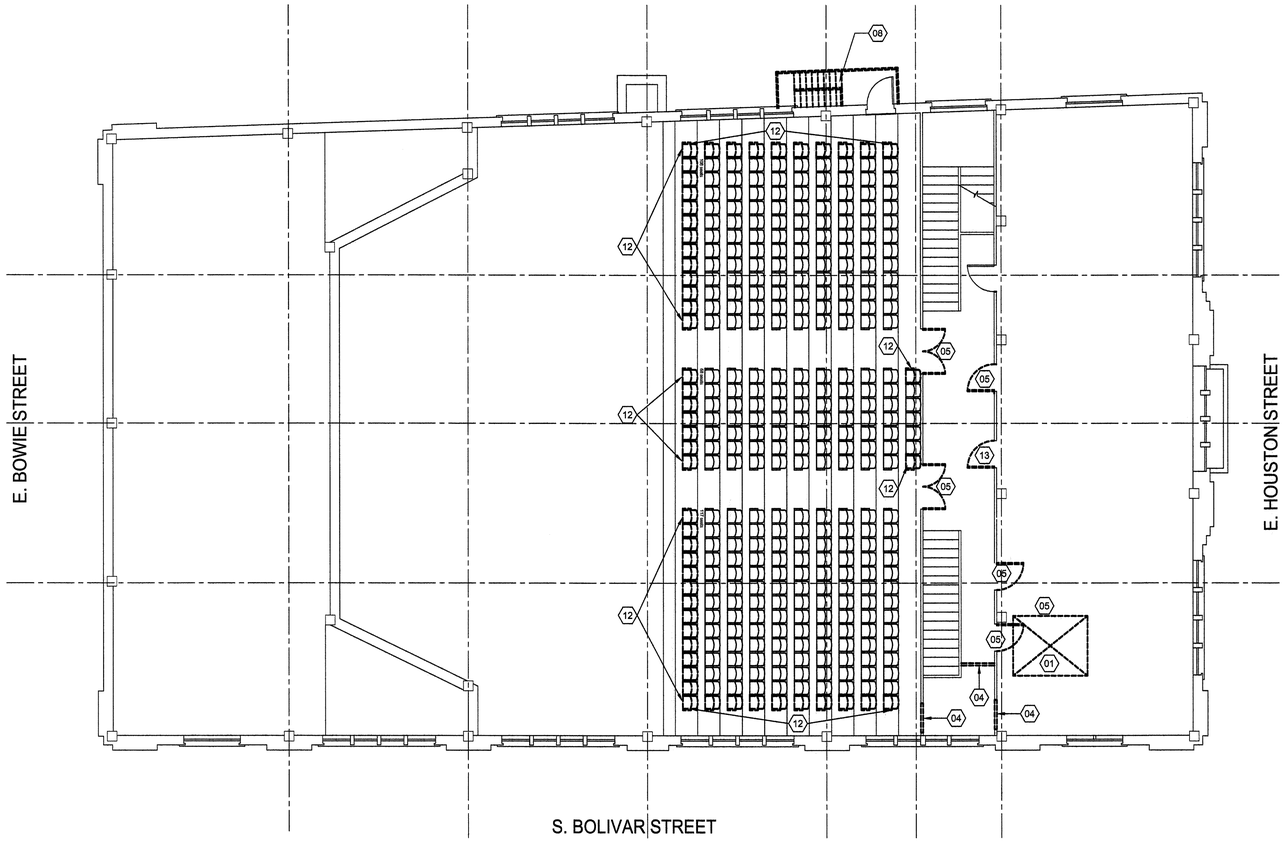
SHEET NO.
AD103

GENERAL NOTES:

01 DIMENSION SHOWN FOR NEW OPENINGS ARE NOMINAL BASED ON DOOR AND FRAME DIMENSIONS, CLEARANCES NEEDED FOR SETTING AND ADJUSTING FRAMES MUST BE ADDED.
02 PROVIDE TEMPORARY SHORING WHERE EVER REMOVAL OF EXISTING CONSTRUCTION REMOVES SUPPORT FOR EXISTING CONSTRUCTION TO REMAIN.

DEMOLITION KEYNOTES: (ALL NOTES MAY NOT APPLY TO THIS SHEET)

01 REMOVE CONCRETE SLAB FOR NEW ELEVATOR, SEE STRUCTURAL DWG.
02 REMOVE 1/2 HT. WALL.
03 REMOVE PLATFORM.
04 REMOVE FULL HEIGHT WALL.
05 REMOVE DOOR AND FRAME.
06 REMOVE TOILET PARTITIONS.
07 REMOVE PLUMBING FIXTURE(S), SEE PLUMBING DWGS.
08 REMOVE STAIRS AS REQUIRED.
09 REMOVE SHELVING AND ALL BRACKETS.
10 REMOVE WINDOW AND FRAME.
11 REMOVE SLAB FOR NEW STAIRS, SEE STRUCTURAL DWGS.
12 REMOVE EXISTING SEAT AND HARDWARE.
13 REMOVE EXISTING DOOR. SEE DOOR SCHEDULE



1 MEMORIAL CITY HALL - LEVEL 4 DEMO PLAN

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

0 4' 8' 16'

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

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650 POYDRAS STREET SUITE 2600
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2666 F 903.595.5972

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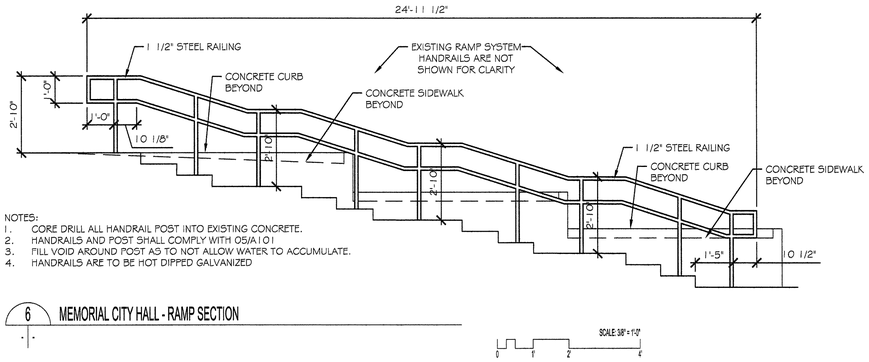
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SHEET TITLE
LEVEL 4 FLOOR PLAN
DEMOLITION

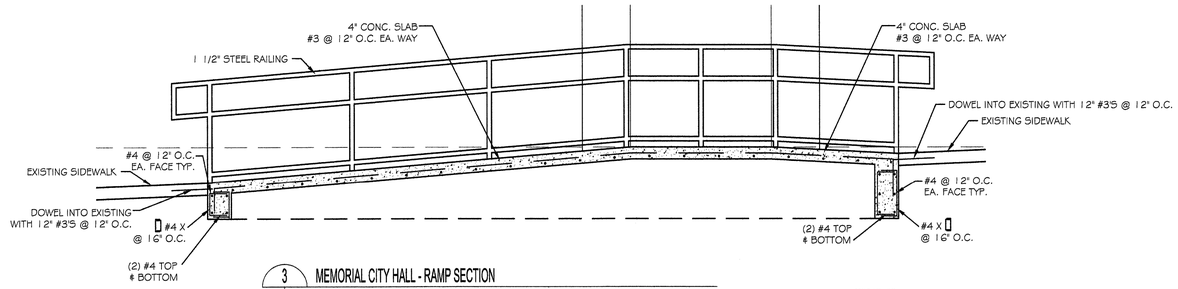
SHEET NO.
AD104



NOTES:
1. CORE DRILL ALL HANDRAIL POST INTO EXISTING CONCRETE.
2. HANDRAILS AND POST SHALL COMPLY WITH 05/A101
3. FILL VOID AROUND POST AS TO NOT ALLOW WATER TO ACCUMULATE.
4. HANDRAILS ARE TO BE HOT DIPPED GALVANIZED

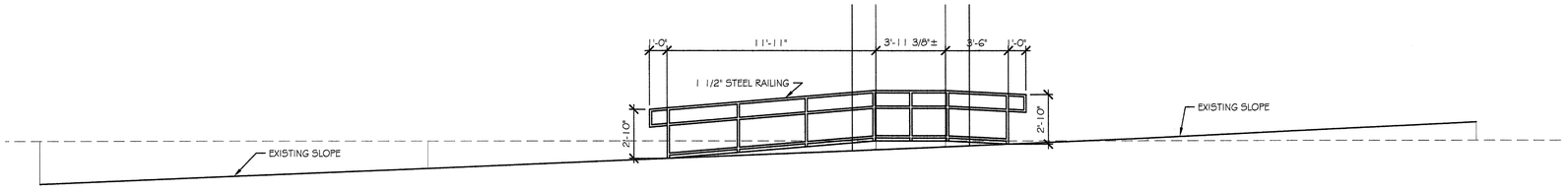
6 MEMORIAL CITY HALL - RAMP SECTION

SCALE 3/8" = 1'-0"



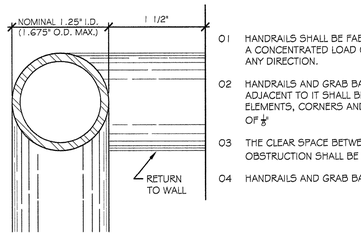
3 MEMORIAL CITY HALL - RAMP SECTION

SCALE 1/2" = 1'-0"



2 MEMORIAL CITY HALL - RAMP ELEVATION

SCALE 1/4" = 1'-0"



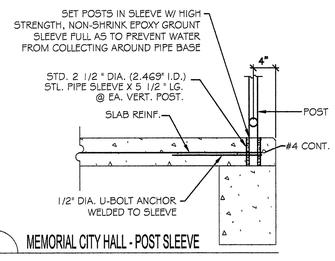
01 HANDRAILS SHALL BE FABRICATED AND INSTALLED TO WITHSTAND A CONCENTRATED LOAD OF 25 LBS. APPLIED AT ANY POINT AND IN ANY DIRECTION.

02 HANDRAILS AND GRAB BARS AND ANY WALL OR OTHER SURFACES ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS, CORNERS AND EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8"

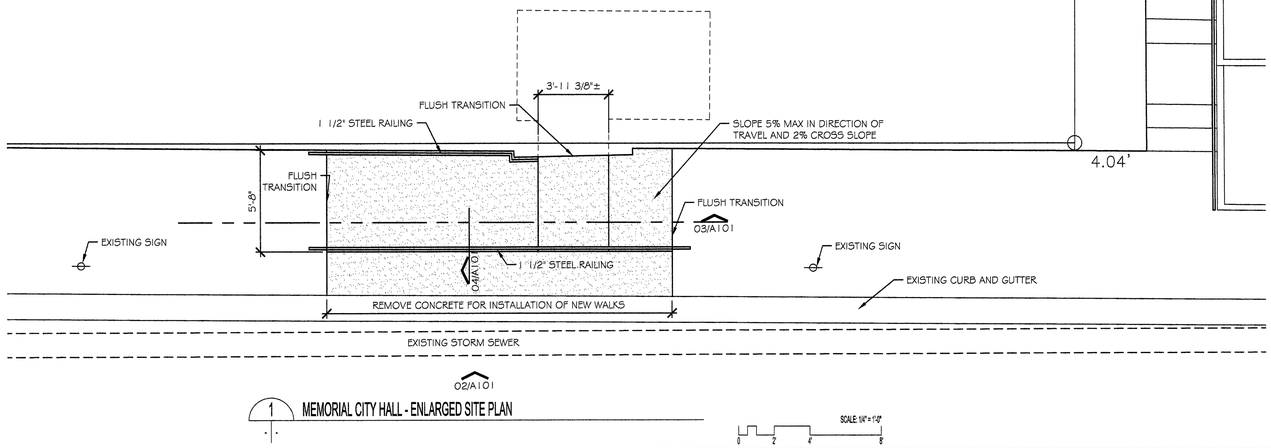
03 THE CLEAR SPACE BETWEEN HANDRAILS AND WALL OR OTHER OBSTRUCTION SHALL BE 1 1/2"

04 HANDRAILS AND GRAB BARS SHALL NOT ROTATE IN THEIR FITTINGS

5 MEMORIAL CITY HALL - HANDRAIL



4 MEMORIAL CITY HALL - POST SLEEVE



1 MEMORIAL CITY HALL - ENLARGED SITE PLAN

SCALE 1/8" = 1'-0"

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

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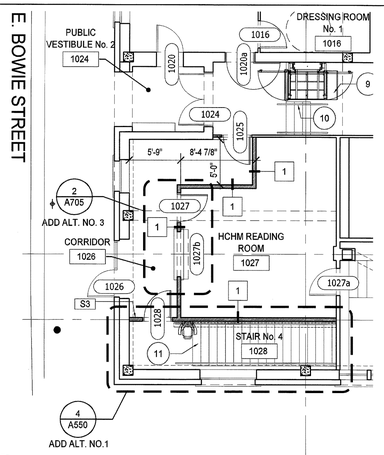
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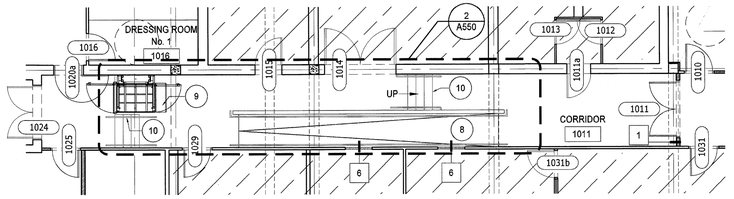
SHEET TITLE
SITE DETAILS

SHEET NO.
A101



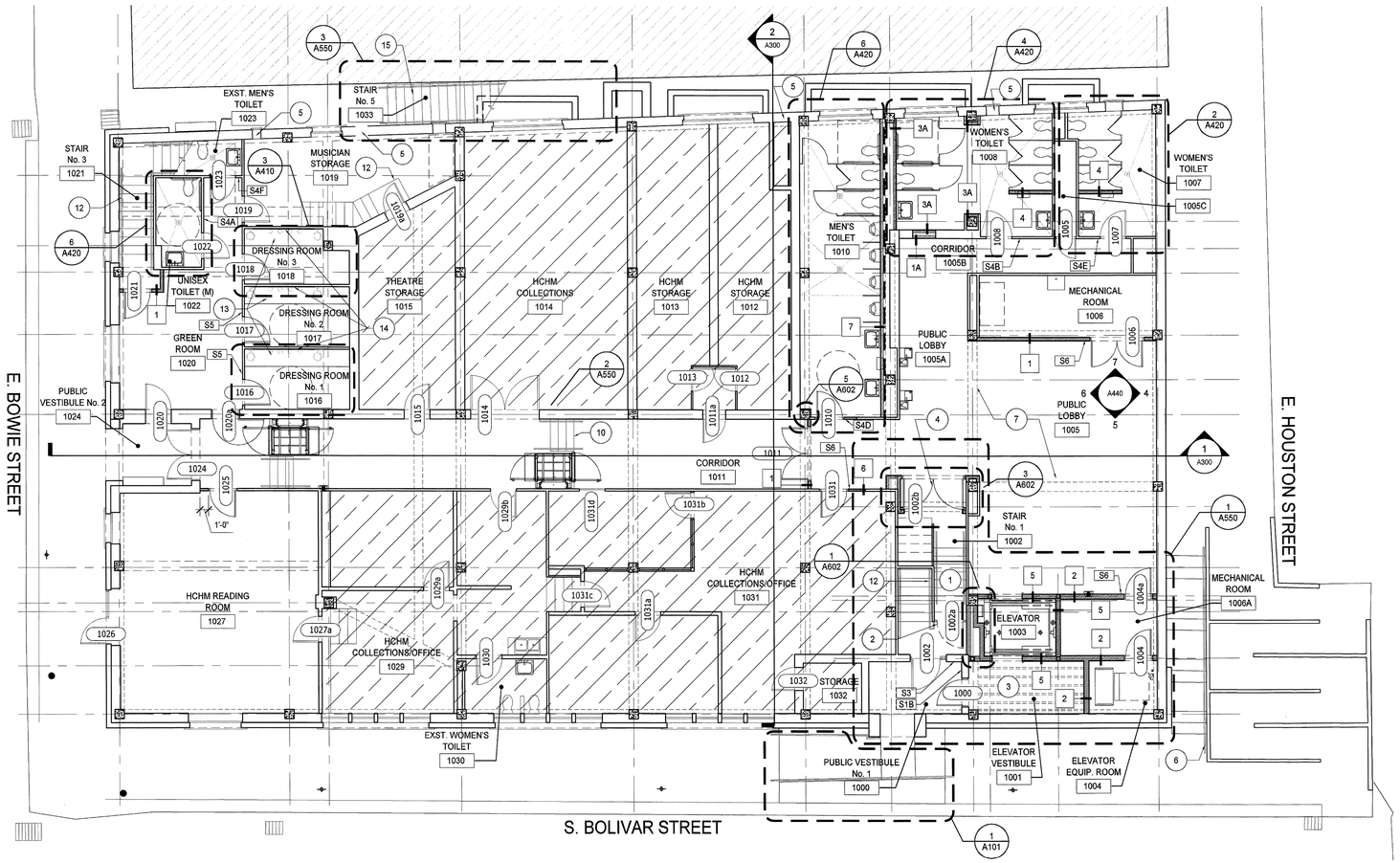
3 LEVEL 1 FLOOR PLAN - ADD ALTERNATE No. 1 - STAIR No. 4 & ADD ALTERNATE No. 3 - COUNTER DOOR - 1/8" SCALE
A102

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



2 LEVEL 1 FLOOR PLAN - ADD ALTERNATE No. 6 - CORRIDOR RAMP - 1/8" SCALE
A102

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



1 LEVEL 1 FLOOR PLAN - 1/8" SCALE
A102

PLAN NORTH

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

CONSTRUCTION PLAN - KEY NOTES

1. RECONSTRUCT NEW STAIR TO CREATE LANDING.
2. NEW SECURITY GATE.
3. CREATE NEW VESTIBULE AT FLOOR LEVEL OF EXISTING PUBLIC VESTIBULE NO. 1. (1000)
4. DOUBLE DOOR w/ HOLDOPEN DEVICE (1002b).
5. PENETRATION THROUGH EXST. BRICK EXTERIOR WALL FOR MECH. LOUVER. SEE MECH. DRAWINGS FOR LOUVER SIZE.
6. NEW POST-SUPPORTED HANDRAIL FOR EXISTING STAIR. SEE SHEET A101 SITE DETAILS.
7. LINE OF EXST. BEAMS ABOVE (TYP).
8. ADAAG COMPLIANT RAMP WITH HANDRAILS - 1:12 SLOPE - ADD ALTERNATE No. 6.
9. ADAAG COMPLIANT VERTICAL PLATFORM LIFT.
10. REMOVE PORTIONS OF EXST. STAIRS PER AD101. ADD NEW HANDRAILS TO REDUCED-WIDTH EXISTING STAIRS.
11. NEW STAIR WITH INCLINED PLATFORM WHEELCHAIR LIFT - ADD ALTERNATE No. 1.
12. EXISTING STAIR TO REMAIN; PROVIDE NEW HANDRAILS.
13. DRESSING COUNTER MILLWORK.
14. DRESSING COUNTER MIRROR.
15. NEW EXTERIOR EXIT STAIR.

EXST. TO REMAIN - ONLY CODE REQUIRED WORK THIS SPACE

GENERAL NOTES

1. ALL EXISTING HAZARDOUS MATERIALS TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION UNDER SEPARATE CONTRACT.

2. ALL PLASTERED SURFACES TO REMAIN: TO BE CLEANED, PATCHED, AND PAINTED.

3. ALL EXISTING CONCRETE FLOORS TO REMAIN: CLEAN, STRIP, AND RE-SEAL WITH CLEAR SEALER.

4. ALL EXISTING WOOD BASE TRIM IN AUDITORIUM SPACE TO REMAIN: CLEAN, PATCH, AND PAINT.

5. ALL EXPOSED CONDUIT TO BE PAINTED TO MATCH SURFACE BENEATH.

6. ALL EXISTING DOORS LABELED TO REMAIN SHALL BE CLEANED, REPAIRED AND PAINTED AS REQUIRED. NEW HARDWARE TO BE ADDED PER DOOR/HARDWARE SCHEDULE.

7. ALL EXISTING DOOR AND WINDOW TRIM TO BE RETAINED OR REINSTALLED WHERE POSSIBLE. WHERE TRIM OR MOLDING MUST BE REMOVED, REPLACE WITH MATCHING PROFILES.

8. PATCH, REPAIR, & PAINT ALL EXISTING WALLS, FLOORS, AND CEILINGS AS REQUIRED BY DISTURBANCE OF NEW WORK.

9. EXISTING WOOD FIXED SEATS TO BE CLEANED AND REPAIRED TO WORKING ORDER. NEW UPHOLSTERED REMOVABLE SEAT PADS TO BE ADDED TO SEAT PANS ONLY. WOOD BACKS TO REMAIN.

10. SEE SHEET A410 FOR SIGNAGE TYPES.

11. G.C. TO VERIFY ALL LOCATIONS OF STRUCTURAL SLABS, BEAMS, COLUMNS, PRIOR TO CONSTRUCTION AND CONTACT ARCHITECT IMMEDIATELY IF THERE ARE DISCREPANCIES OR ISSUES ARISING FROM UNEXPECTED EXISTING CONDITIONS. THIS MAY REQUIRE THEM TO DO SELECTIVE DEMOLITION PRIOR TO CONSTRUCTION.

12. G.C. TO INSTALL F.T. WOOD BLOCKING FOR OWNER PROVIDED DISPLAY CASES AT APPROX. 32" A.F.F. AND 64" A.F.F. COORD. LOCATION OF CASES WITH OWNER PRIOR TO CONSTRUCTION.

13. SEE A550 FOR FINISH FLOOR ELEVATION CHANGES LEVEL 1.

14. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO FINISH FACE.

ALTERNATES

ALTERNATE NO. 1 - CONSTRUCTION OF STAIR No.4 AND RELATED ITEMS.

ALTERNATE NO. 3 - NEW FIRE RATED OVERHEAD COILING COUNTER DOOR (#1027b).

ALTERNATE NO. 6 - RAMP IN CORRIDOR 1011, NEW DOOR 1029.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD 1996 STATE OF TEXAS

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	CONSTRUCTION DOCUMENTS	31 MAY 2011

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PROJECT NO.	10-001

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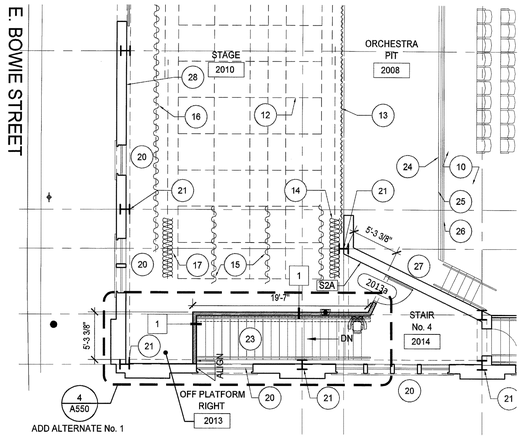
SHEET TITLE

RENOVATED
LEVEL 1 FLOOR PLAN

SHEET NO.

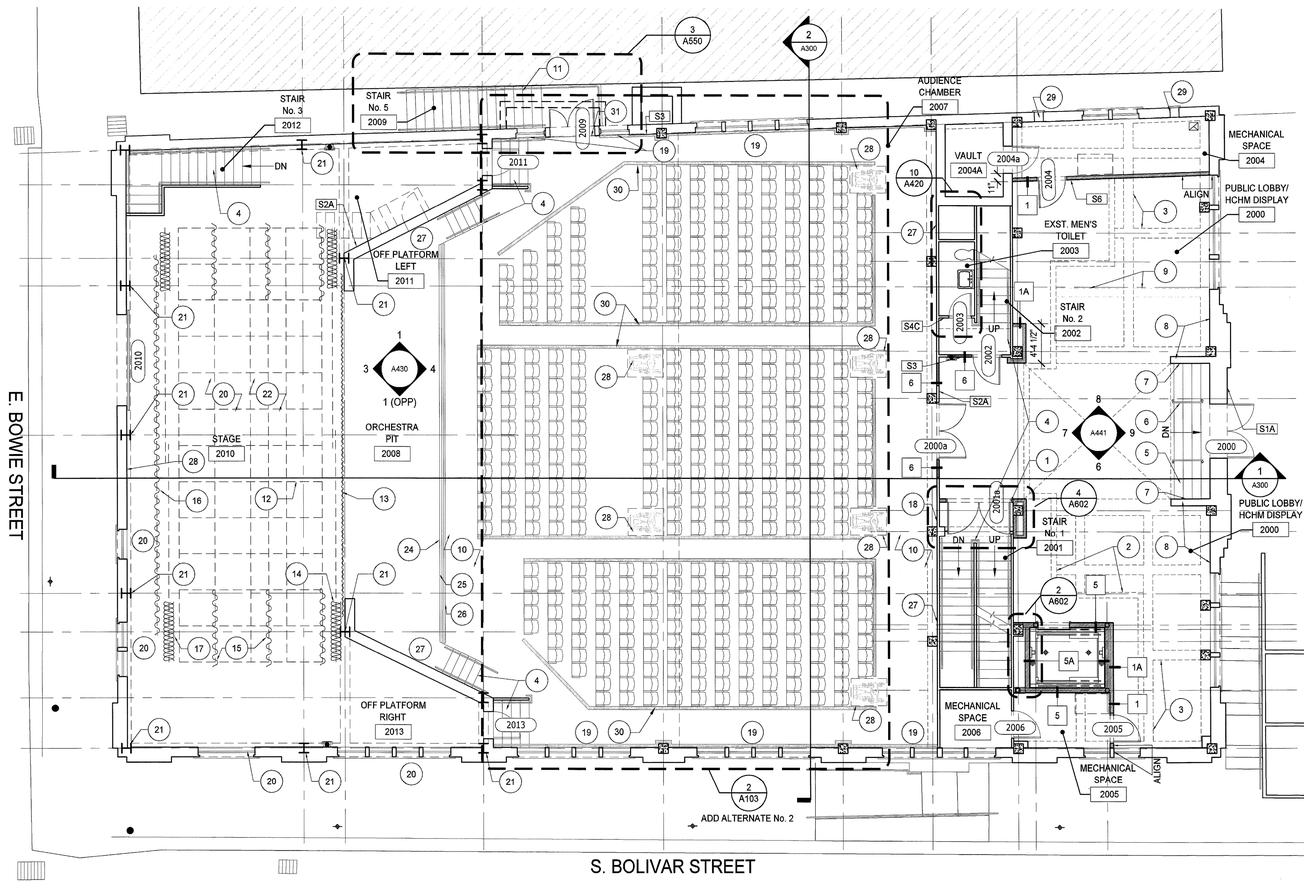
A102

23 Jun 11 - 10:11am



1 ADD ALTERNATE No. 1 - STAIR No. 4 - 1/8" SCALE
A103

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

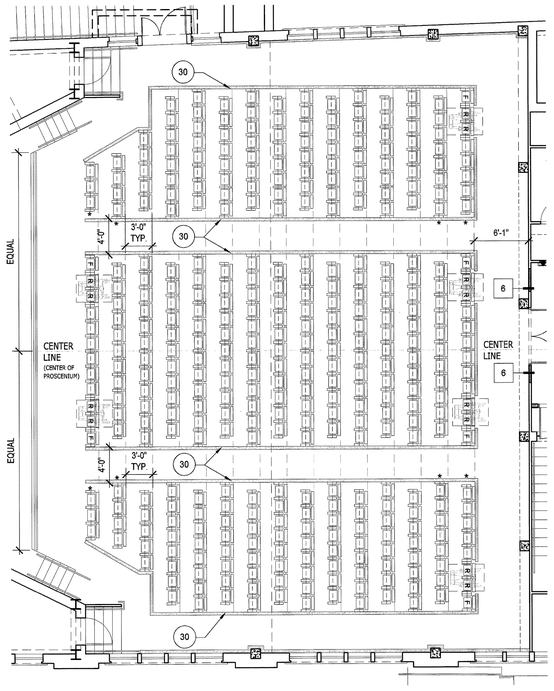


1 LEVEL 2 FLOOR PLAN - 1/8" SCALE
A103

EXISTING SEATING LAYOUT = APPROX. 457 TOTAL AFTER REMOVAL OF SEATS FOR WHEELCHAIRS

EXISTING SEATING REMOVAL, REFURBISHING, & FINAL LAYOUT BY OWNER - N.I.C.

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



2 LEVEL 2 FLOOR PLAN - ALTERNATE NO. 2
A103

ADD ALTERNATE NO. 2 = 389 SEATS TOTAL

6 PAIRS OF REMOVABLE SEATS (ADA)
8 DESIGNATED AISLE SEATS

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

PLAN NORTH

SYMBOL LEGEND

- AISLE STRIP LIGHTING
- FLOOR MOUNTED FIXED SEAT (TYP).
- DESIGNATED AISLE SEAT w/ ADA SWING ARM
- INDIVIDUAL FLOOR MOUNTED FIXED SEAT
- REMOVABLE SEAT
- WHEELCHAIR SPACE

CONSTRUCTION PLAN - KEY NOTES

1. DOUBLE DOOR WITH MAGNETIC HOLDOPEN DEVICE.
2. LINE OF FURR DOWN ABOVE.
3. LINE OF EXISTING EXPOSED BEAMS ABOVE.
4. EXISTING STAIR TO REMAIN; HANDRAILS TO BE REPLACED. ADD CONTRASTING MARKING STRIPES TO NOSINGS FOR VISIBILITY - SEE SPECIFICATIONS.
5. EXISTING STAIR TREADS TO BE REPAINTED.
6. EXISTING HANDRAILS TO REMAIN AND BE CLEANED AND POLISHED.
7. EXISTING HISTORICAL PLAQUE TO REMAIN - CLEAN & POLISH.
8. EXISTING BRICK WALLS TO BE PAINTED ON INTERIOR FACE.
9. NEW "FALSE" BEAM CONSTRUCTED TO MATCH EXST. SURROUNDING BEAM DEPTH.
10. EXISTING CONCRETE FLOOR TO BE CLEANED, STRIPPED, AND RE-SEALED WITH CLEAR SEALER.
11. NEW EXTERIOR EXIT STAIR.
12. PIPE GRID ABOVE.
13. VALENCE DEAD HUNG FROM OVERHEAD STRUCTURE - SEE TS102.
14. MAIN TRAVELER DRAPERY BI-PART TRACK HUNG FROM OVERHEAD STRUCTURE - SEE TS102.
15. MASKING LEG DRAPERY ON WALK - ALONG TRACK SUSPENDED FROM PIPE GRID ABOVE - SEE TS102.
16. CYCLORAMA BACKDROP DEAD HUNG FROM OVERHEAD STRUCTURE - SEE TS102.
17. BLACK - OUT TRAVELER DRAPERY BI-PART TRACK HUNG FROM OVERHEAD STRUCTURE - SEE TS102.
18. FABRIC WRAPPED ACOUSTICAL WALL PANELS APPLIED TO BACK WALL. SEE INTERIOR ELEVATIONS.
19. MOTORIZED/MANUAL SHADES AT ALL AUDITORIUM WINDOWS (EXCLUDING STAGE) - SEE SPECIFICATIONS AND SHEET A430.
20. EXISTING STAGE WINDOWS - REMOVE EXISTING PAINT, CLEAN, REPAIR AS REQUIRED, AND APPLY OPAQUE FILM TO GLAZED AREAS.
21. EXPOSED STEEL STRUCTURE (COLUMNS AND BEAMS) ON STAGE TO BE PAINTED.
22. STAGE FLOOR TO BE STRIPPED, SANDED, AND STAINED, AND ANY DAMAGED FLOOR JOISTS TO BE REPAIRED/REPLACED.
23. NEW STAIR WITH INCLINED PLATFORM WHEELCHAIR LIFT - ADD ALTERNATE No. 1.
24. REMOVE EXISTING FRONT EDGE TRIM OF STAGE AND INSTALL NEW STAINED HARDWOOD EDGE.
25. FRONT PANELS OF STAGE TO BE REMOVED AND 2 LAYERS 5/8" PAINTED GYP. BD. TO BE INSTALLED OVER EXISTING VERTICAL STRUCTURE.
26. EXISTING BRASS RAIL TO BE REMOVED, CLEANED AND POLISHED, AND REINSTALLED IN CURRENT LOCATION.
27. EXISTING SIDEWALL HVAC REGISTERS TO BE CLEANED AND PAINTED.
28. EXISTING SEATS TO BE REMOVED TO ALLOW FOR WHEELCHAIR ACCESS. REMOVAL, REFURBISHING, AND SEATING LAYOUT BY OWNER - N.I.C.
29. PENETRATION THROUGH EXST. BRICK EXTERIOR WALL FOR MECH. LOUVER. SEE MECH. DRAWINGS FOR LOUVER SIZE.
30. PVC AISLE LIGHTING APPLIED DIRECTLY TO FLOOR - ADA COMPLIANT. SEE ELECTRICAL. COORD. w/ OWNER SEATING LAYOUT.
31. SINGLE STEP UP TO DOOR TO REMAIN. ADD CONTRASTING MARKING STRIPE TO NOSING FOR VISIBILITY - SEE SPECIFICATIONS.

GENERAL NOTES

SEE GENERAL NOTES ON SHEET A102

ALTERNATES

ALTERNATE NO. 1 - CONSTRUCTION OF STAIR No.4 AND RELATED ITEMS.

ALTERNATE NO. 2 - NEW AUDITORIUM SEATING - MAIN LEVEL

ALTERNATE NO. 5 - EXPOSE EXISTING LOBBY HISTORIC CEILING

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. WRIGHT 1896 STATE OF TEXAS

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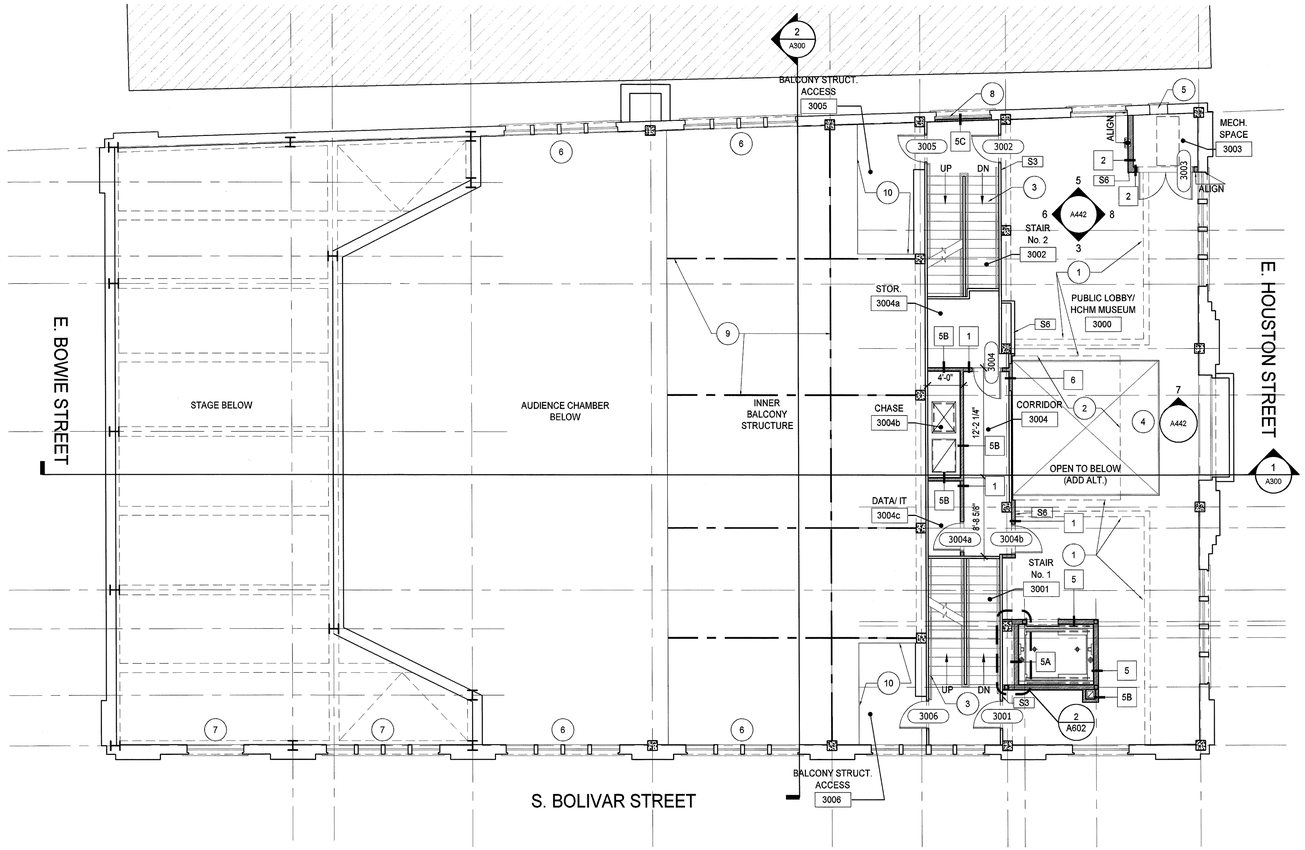
SHEET TITLE

RENOVATED
LEVEL 2 FLOOR PLAN

SHEET NO.

A103

23 Jun 11 - 10:11am



1 LEVEL 3 FLOOR PLAN - 1/8" SCALE
A104

PLAN NORTH

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

CONSTRUCTION PLAN - KEY NOTES

1. LINE OF FURR DOWN ABOVE.
2. PLASTER MEDALLION ABOVE.
3. EXISTING STAIR TO REMAIN; REPLACE HANDRAILS.
4. ALTERNATE NO. 5 - EXPOSE EXISTING LOBBY HISTORIC CEILING; OWNER PROVIDED (N.I.C.) GUARDRAIL AND HANDRAIL AT OPENING THIS LEVEL.
5. PENETRATION THROUGH EXST. BRICK EXTERIOR WALL FOR MECH. LOUVER. SEE MECH. DRAWINGS FOR LOUVER SIZE.
6. MOTORIZED/MANUAL SHADES AT ALL AUDITORIUM WINDOWS (EXCLUDING STAGE) - SEE SPECIFICATIONS AND SHEET A430.
7. EXISTING STAGE WINDOWS - REMOVE EXISTING PAINT, CLEAN, REPAIR AS REQUIRED, AND APPLY OPAQUE FILM TO GLAZED AREAS. SEE SPECIFICATIONS.
8. INFILL EXST. OPENING WITH 1-HOUR RATED SHAFT WALL CONSTRUCTION - SEE PARTITION TYPES.
9. LINE OF TRUSS INSIDE BALCONY.
10. CONC. SLAB INSIDE BALCONY (FORMER TOILET ROOM) TO REMAIN AS ACCESS PLATFORM FOR BALCONY INTERIOR. SEE AD103 FOR DEMOLITION INFORMATION.

GENERAL NOTES

SEE GENERAL NOTES ON SHEET A102

ALTERNATES

ALTERNATE NO. 5 - EXPOSE EXISTING LOBBY HISTORIC CEILING; ADD GUARDRAIL AND HANDRAIL AT OPENING THIS LEVEL; OMIT DOORS 3004 & 3004a.

RENOVATIONS TO MEMORIAL CITY HALL

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Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

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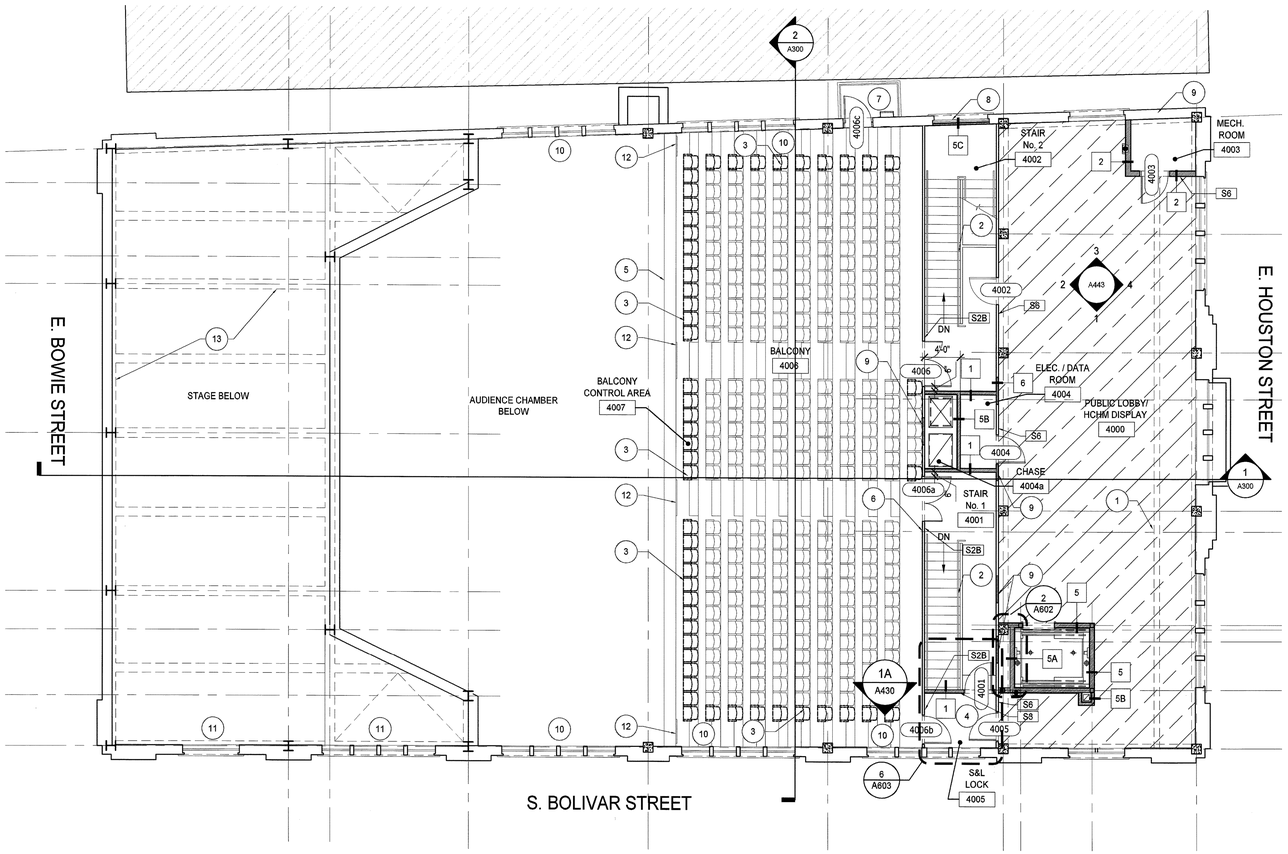
SHEET TITLE

RENOVATED
LEVEL 3 FLOOR PLAN

SHEET NO.

A104

23 Jun 11 - 12:33pm



1 LEVEL 4 FLOOR PLAN - 1/8" SCALE
A105

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

CONSTRUCTION PLAN - KEY NOTES

1. LINE OF FURR DOWN ABOVE (ADD ALTERNATE NO. 4).
2. EXISTING STAIR TO REMAIN; PROVIDE NEW HANDRAILS.
3. REMOVE EXISTING SEATS AS SHOWN TO COMPLY WITH MAXIMUM SEATING COUNT OF 293 - SEE SHEET AD104.
4. CONSTRUCT NEW FLOOR TO CREATE REMOTE EXIT VESTIBULE - SEE STRUCTURAL.
5. FABRIC WRAPPED ACOUSTICAL WALL PANELS TO BE MOUNTED TO FACE OF BALCONY - SEE INT. ELEVATIONS.
6. FABRIC WRAPPED ACOUSTICAL WALL PANELS TO BE MOUNTED TO BACK WALL - SEE INT. ELEVATIONS.
7. LANDING AND ROOF ACCESS LADDER.
8. INFILL EXST. OPENING WITH 1-HOUR RATED SHAFT WALL CONSTRUCTION - SEE PARTITION TYPES.
9. PENETRATION THROUGH EXST. BRICK EXTERIOR WALL FOR MECH. LOUVER. SEE MECH. DRAWINGS FOR LOUVER SIZE.
10. MOTORIZED/MANUAL SHADES AT ALL AUDITORIUM WINDOWS (EXCLUDING STAGE) - SEE SPECIFICATIONS AND SHEET A430.
11. EXISTING STAGE WINDOWS - REMOVE EXISTING PAINT, CLEAN, REPAIR AS REQUIRED, AND APPLY OPAQUE FILM TO GLAZED AREAS.
12. NEW FLOOR MOUNTED 1 1/2" DIA. PAINTED STEEL PIPE RAILINGS MOUNTED 36" A.F.F.
13. PAINT EXPOSED STEEL STRUCTURE (TYP. ALL EXPOSED STEEL STRUCTURE ON STAGE).

GENERAL NOTES

SEE GENERAL NOTES ON SHEET A102

EXST. TO REMAIN - ONLY CODE REQUIRED WORK THIS SPACE

ADD ALTERNATES

ADD ALTERNATE NO. 4 - ADDITIONAL LOBBY SPACE / HCHM DISPLAY AREA BUILD OUT INCLUDING:

HVAC WORK ON NORTH SIDE (AS SHOWN IN M1.04)
GYP. BD. FURR DOWN ON NORTH SIDE (FOR DUCTWORK)
COVE LIGHTING IN FURR DOWN (AS SHOWN IN E2.04)
CARPET
PAINT

RENOVATIONS TO MEMORIAL CITY HALL

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Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2056 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD 11886 STATE OF TEXAS

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PROJECT NO.	10-001

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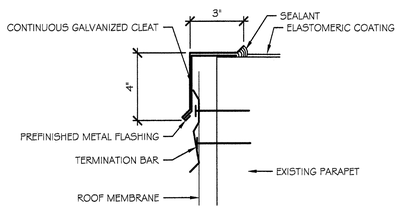
SHEET TITLE

RENOVATED
LEVEL 4 FLOOR PLAN

SHEET NO.

A105

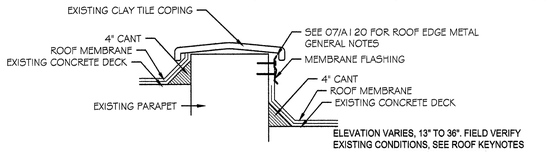
23 Jun 11 - 12:33pm



7 MEMORIAL CITY HALL - ROOF EDGE

SCALE: 3" = 1'-0"

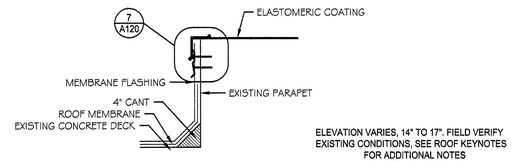
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6 MEMORIAL CITY HALL - ROOF DETAIL

SCALE: 1" = 1'-0"

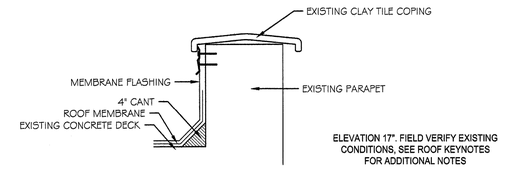
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5 MEMORIAL CITY HALL - ROOF DETAIL

SCALE: 1" = 1'-0"

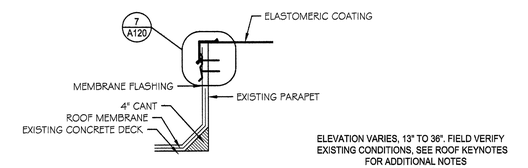
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4 MEMORIAL CITY HALL - ROOF DETAIL

SCALE: 1" = 1'-0"

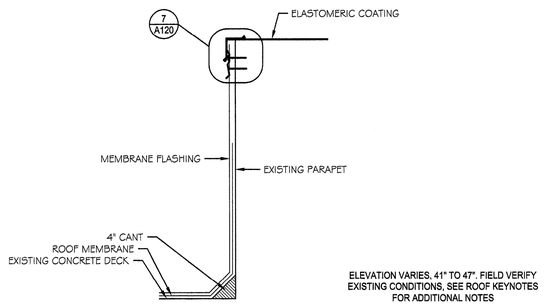
0 1' 2' 4'



3 MEMORIAL CITY HALL - ROOF DETAIL

SCALE: 1" = 1'-0"

0 1' 2' 4'



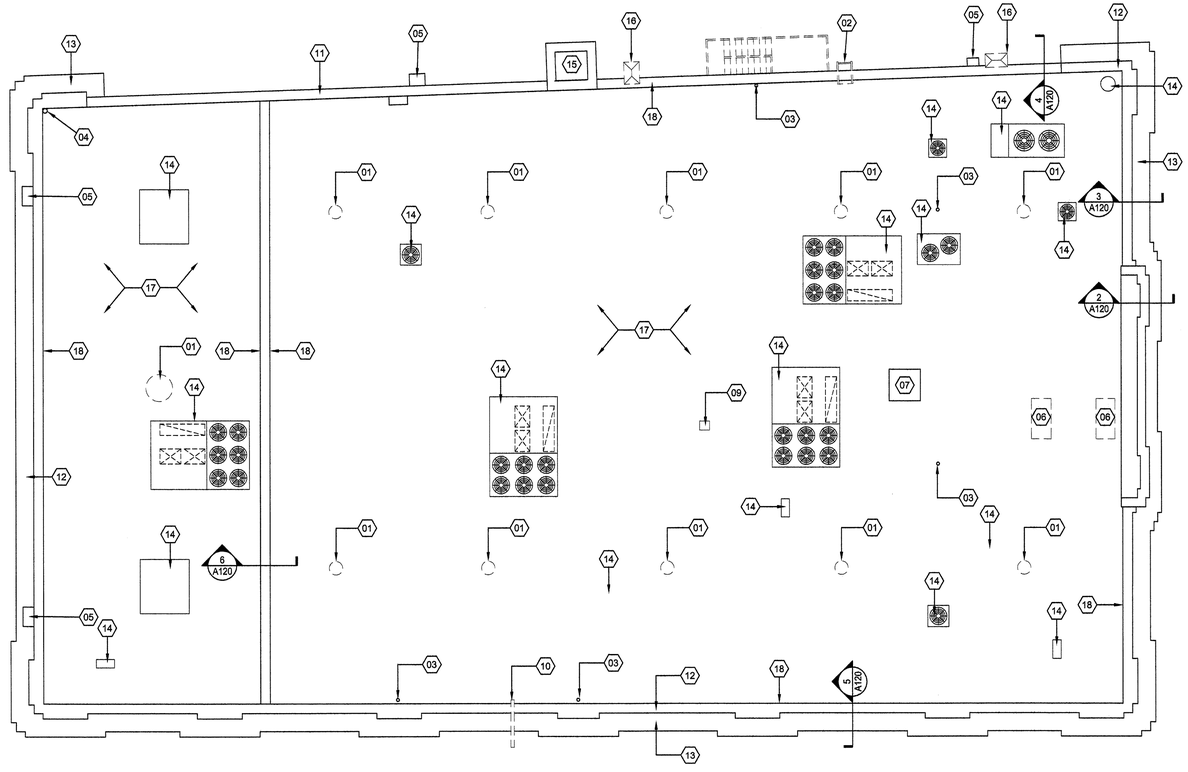
2 MEMORIAL CITY HALL - ROOF DETAIL

SCALE: 1" = 1'-0"

0 1' 2' 4'

ROOF KEYNOTES:

01 EXISTING ROOF VENTILATOR TO BE REMOVED, FILL OPENING TO MATCH EXISTING.
02 NEW ROOF LADDER TO REPLACE EXISTING.
03 EXISTING PLUMBING VENT.
04 EXISTING OVERFLOW ROOF DRAIN.
05 EXISTING DOWNSPOUT LEADER HEAD.
06 FILL EXISTING MECHANICAL EQUIPMENT OPENINGS TO MATCH EXISTING.
07 PAINT EXISTING SCUTTLE.
08 REMOVE EXISTING POLE.
09 REMOVE EXISTING TOWER BASE.
10 REMOVE EXISTING ANGLE.
11 EXISTING CLAY TILE COPING TO REMAIN. CLEAN ALL JOINTS AND RE-SEAL.
12 EXISTING STONE COPING, REMOVE ALL COATINGS AND FLASHING. SEAL ALL JOINTS AND APPLY COATING.
13 EXISTING STONE. REMOVE ALL COATINGS. SEAL ALL JOINTS AND APPLY ELASTOMERIC COATING.
14 LOCATION OF NEW HVAC EQUIPMENT. SEE MEP
15 EXISTING CHIMNEY
16 REMOVE EXISTING DUCTWORK AND CAPS.
17 REMOVE EXISTING ROOF DOWN TO CONCRETE DECK AND INSTALL NEW ROOF.
18 REMOVE EXISTING WALL FLASHING AND INSTALL NEW FLASHING



1 MEMORIAL CITY HALL - ROOF PLAN

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

0 4' 8' 16'

N

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT 31 STATE OF TEXAS

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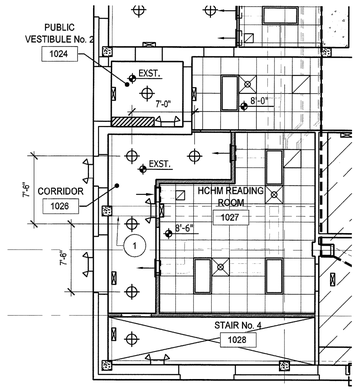
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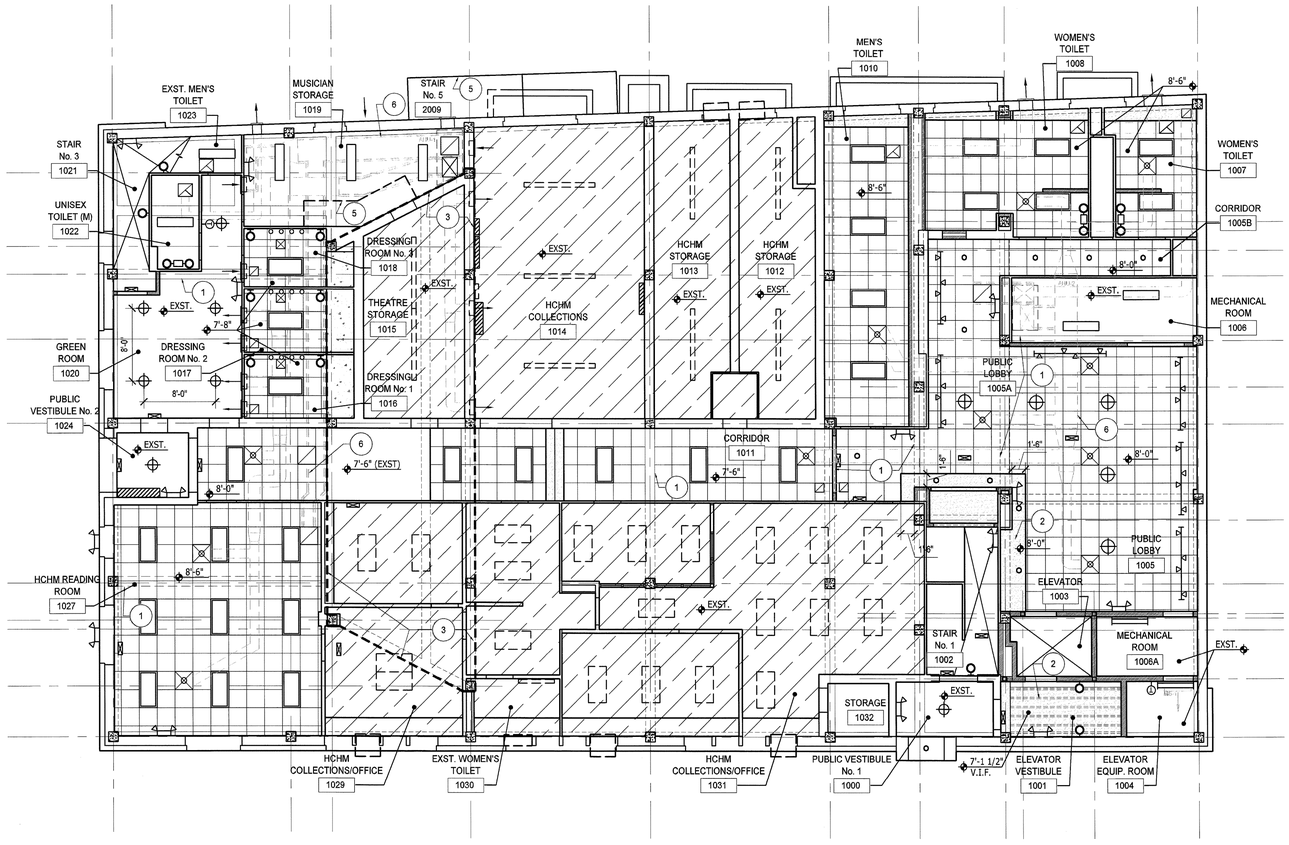
SHEET TITLE
ROOF PLAN
DEMOLITION &
REMODEL

SHEET NO.
A120



2 LEVEL 1 RCP - ADD ALTERNATE No. 1 - STAIR No. 4 & ADD ALTERNATE No. 3 - COUNTER DOOR - 1/8" SCALE
A140

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



1 LEVEL 1 REFLECTED CEILING PLAN
- A140

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

REFLECTED CEILING PLAN GENERAL NOTES

1. ALL EXISTING HAZARDOUS MATERIALS TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION UNDER SEPARATE CONTRACT

2. ALL PLASTERED SURFACES TO REMAIN: TO BE CLEANED, PATCHED, AND PAINTED

3. EXISTING WALLS, FLOORS, AND CEILINGS TO BE PATCHED, REPAIRED, PAINTED AS REQUIRED BY DISTURBANCE OF NEW WORK.

4. INSTALL WALL RECEPTACLES FOR OWNER PROVIDED DISPLAY CASES. CONFIRM LOCATION OF CASES WITH OWNER PRIOR TO CONSTRUCTION.

5. ALL SPRINKLERHEADS TO BE CENTERED WITHIN CEILING TILE. ALL LIGHT FIXTURES TO BE CENTERED WITHIN CEILING TILE. UNLESS OTHERWISE NOTED, LIGHT FIXTURES TO BE SYMMETRICALLY SPACED AND/OR CENTERED IN ROOM.

6. ALL MECH. EQUIPMENT AND DUCTWORK IS SHOWN FOR ILLUSTRATION PURPOSES ONLY. REFER TO MECH. DRAWINGS FOR ACCURATE DUCT SIZES / INFORMATION.

7. FURR DOWN DIMENSIONS ON REFLECTED CEILING PLANS ARE SHOWN TO OUTSIDE FACE OF VERTICAL WALL (NOT TO FACE OF COVE). ALL FURR DOWN SIZES MUST BE COORDINATED WITH FINAL DUCT LAYOUTS AND SIZING AND CONFIRMED PRIOR TO CONSTRUCTION.

LEGEND

- GYPSUM BOARD CEILING
- 2'x2' ACOUSTICAL LAY IN CEILING TILE
- EXSTING CLNG. TO REMAIN - ONLY CODE REQUIRED WORK THIS SPACE; PATCH AND REPAIR AS REQUIRED BY DISTURBANCE/WORK.
- EXISTING PLASTER CEILING TO REMAIN - CLEAN, PATCH, AND PAINT (NO HATCH)
- CEILING FAN
- EMERGENCY LIGHT FIXTURE
- 6" RECESSED CAN
- SURFACE MOUNTED FIXTURE
- PENDANT FIXTURE
- SURFACE MOUNTED INCANDESCENT STRIP LITE WITH OPEN ENDED WIRE GUARDS AT EACH LAMP
- CEILING MOUNT LINEAR FLUORESCENT FIXTURE
- SURFACE MOUNTED FLUORESCENT FIXTURE
- 2'x4' LAY-IN FLUORESCENT FIXTURE WITH LENS
- TRACK LIGHTING
- WALL SCONCE
- ABOVE VANITY SCONCE
- DASHED = EXST. FIXTURE TO REMAIN
- EXIT SIGN
- SMOKE DETECTOR
- COVE LIGHTING
- 2' X 2' SUPPLY AIR
- 2' X 2' RETURN AIR
- WALL SUPPLY AIR
- WALL RETURN AIR
- 2' X 2' EXHAUST FAN
- 8'-6" CEILING ELEVATION MARKER
- RECEPTACLE INSTALLED ON PIPE GRID (FOR LIGHT FIXTURES)
- PIPE GRID LIGHT FIXTURE, SEE THEATRICAL.
- NEW DECORATIVE CEILING RETURN AIR GRILLE
- EXST. DECORATIVE CEILING GRILLE (NOT USED FOR HVAC)

REFLECTED CEILING PLAN - KEY NOTES

1. LINE OF EXISTING BEAMS (SHOWN DASHED IF ABOVE CEILING). SEE A440 FOR B.O. BEAM ELEVATIONS (V.I.F.)
2. PAINTED GYP. BD. SOFFIT. SEE A440 FOR ADD'L DIMENSIONS.
3. INDICATES ORCHESTRA PIT ABOVE (VERY LOW CEILING) - NO DUCTWORK CAN RUN IN THIS ZONE.
4. NOT USED.
5. LINE OF METAL STAIR BELOW
6. DUCTWORK - SEE MECH. (TYP).

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.6972

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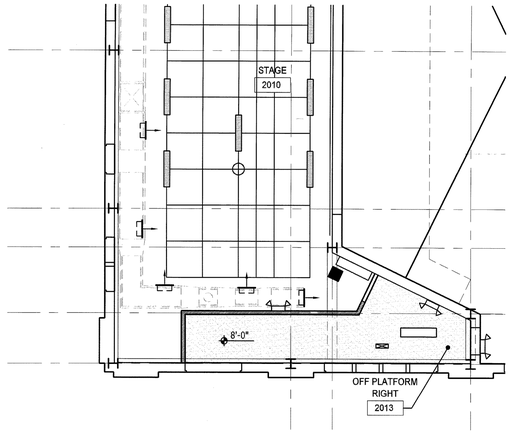
SHEET TITLE

RENOVATED
LEVEL 1
REFLECTED CEILING PLAN

SHEET NO.

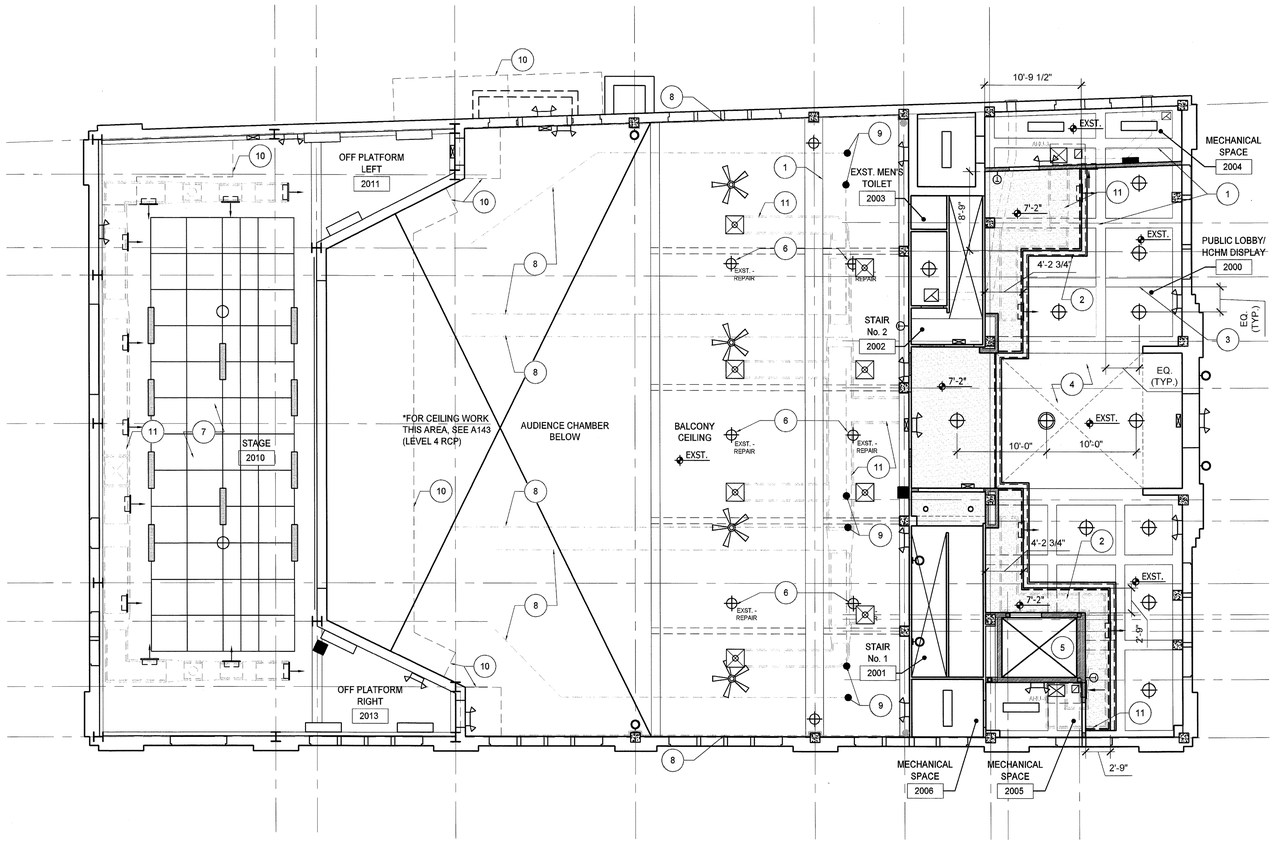
A140

23 Jun 11 - 10:12am



2 A141 LEVEL 2 RCP - ADD ALTERNATE No. 1 - STAIR No. 4 & ADD ALTERNATE No. 3 - COUNTER DOOR - 1/8" SCALE

SCALE 1/8" = 1'-0"



1 A141 LEVEL 2 REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

SEE GENERAL NOTES ON SHEET A140.

LEGEND

- GYPSUM BOARD CEILING
- 2'x2' ACOUSTICAL LAY IN CEILING TILE
- EXSTING CLNG. TO REMAIN - ONLY CODE REQUIRED WORK THIS SPACE; PATCH AND REPAIR AS REQUIRED BY DISTURBANCE/WORK.
- EXISTING PLASTER CEILING TO REMAIN - CLEAN, PATCH, AND PAINT (NO HATCH)
- CEILING FAN
- EMERGENCY LIGHT FIXTURE
- 6" RECESSED CAN
- SURFACE MOUNTED FIXTURE
- PENDANT FIXTURE
- SURFACE MOUNTED INCANDESCENT STRIP LITE WITH OPEN ENDED WIRE GUARDS AT EACH LAMP
- CEILING MOUNT LINEAR FLUORESCENT FIXTURE
- SURFACE MOUNTED FLUORESCENT FIXTURE
- 2'x4' LAY-IN FLUORESCENT FIXTURE WITH LENS
- TRACK LIGHTING
- WALL SCONCE
- ABOVE VANITY SCONCE
- DASHED = EXST. FIXTURE TO REMAIN
- EXIT SIGN
- (S) SMOKE DETECTOR
- COVE LIGHTING
- 2' X 2' SUPPLY AIR
- 2' X 2' RETURN AIR
- WALL SUPPLY AIR
- WALL RETURN AIR
- 2' X 2' EXHAUST FAN
- 8'-6" CEILING ELEVATION MARKER
- RECEPTACLE INSTALLED ON PIPE GRID (FOR LIGHT FIXTURES)
- PIPE GRID LIGHT FIXTURE, SEE THEATRICAL.
- NEW DECORATIVE CEILING RETURN AIR GRILLE
- EXST. DECORATIVE CEILING GRILLE (NOT USED FOR HVAC)

REFLECTED CEILING PLAN - KEY NOTES

1. LINE OF EXISTING EXPOSED BEAMS
2. PAINTED GYP. BD. FURR DOWN - SEE A441 FOR ADDITIONAL DIMENSIONS.
3. FALSE BEAM CLAD IN PAINTED GYP. BD.
4. ALTERNATE NO. 5 - EXPOSE EXISTING LOBBY HISTORIC CEILING; EXISTING BEAM TO BE REMOVED.
5. BEAMS TO BE REMOVED FOR ELEVATOR SHAFT - SEE STRUCTURAL.
6. EXISTING LIGHT FIXTURES TO BE REPAIRED AND RELAMPED.
7. FOR DRAPERY, PIPE GRID, AND STAGE LIGHTING INFORMATION, SEE TS AND ELECTRICAL DRAWINGS.
8. PVC STRIP AISLE LIGHTING APPLIED DIRECTLY TO FLOOR SURFACE. SEE A103 FOR LIGHTING LAYOUT WITH SEATING ALTERNATE (ALT. No. 2).
9. JUNCTION BOX IN FLOOR FOR AISLE LIGHTING - SEE ELECTRICAL.
10. LINE OF STAIRS BELOW.
11. DUCTWORK - SEE MECH (TYP.)

ALTERNATES

ALTERNATE NO. 1 - CONSTRUCTION OF STAIR No.4 AND RELATED ITEMS.

ALTERNATE NO. 5 - EXPOSE EXISTING LOBBY HISTORIC CEILING; EXISTING BEAM TO BE REMOVED. SEE DETAILS A705.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD 31896 STATE OF TEXAS

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PROJECT NO.	10-001

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SHEET TITLE

RENOVATED
LEVEL 2
REFLECTED CEILING PLAN

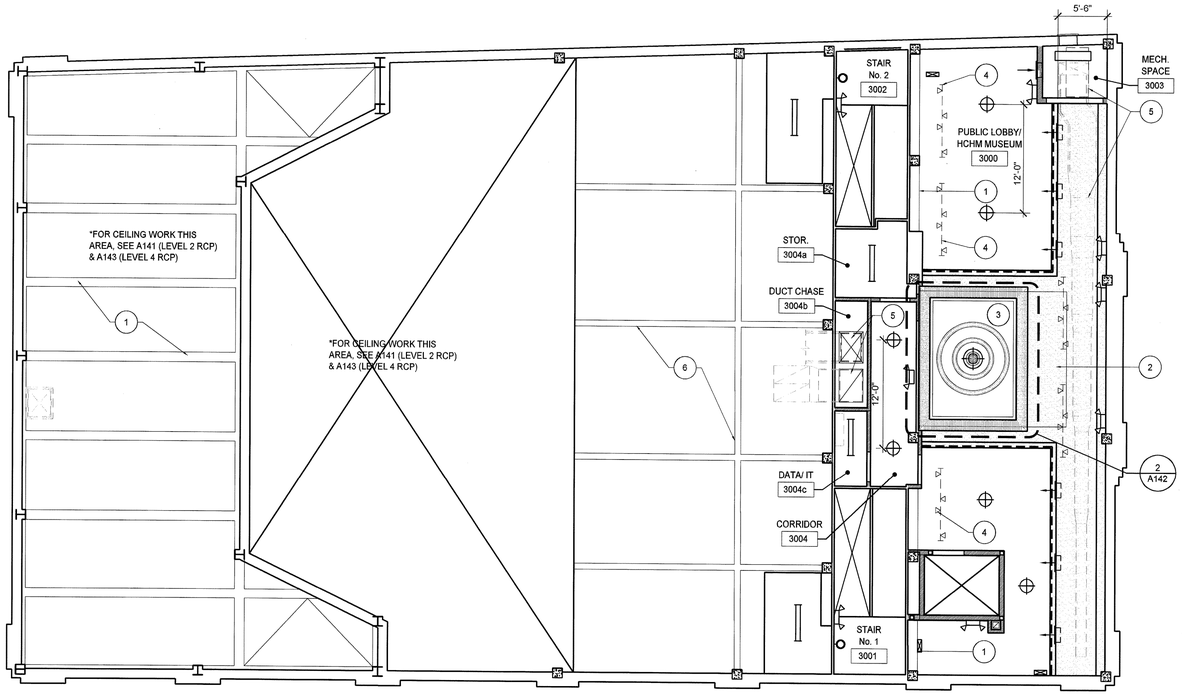
SHEET NO.

A141

23 Jun 11 - 10:12am

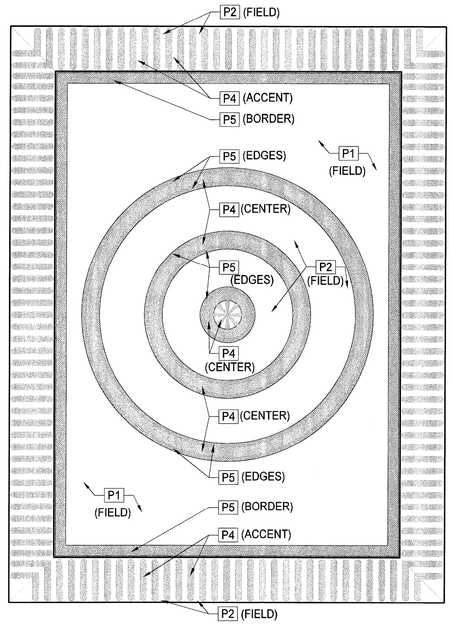
REFLECTED CEILING PLAN GENERAL NOTES

SEE GENERAL NOTES ON SHEET A140.



1 LEVEL 3 REFLECTED CEILING PLAN
A142

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



2 LEVEL 3 REFLECTED CEILING PLAN
A142

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

LEGEND

- GYPSUM BOARD CEILING
- 2'x2' ACOUSTICAL LAY IN CEILING TILE
- EXSTING CLNG. TO REMAIN - ONLY CODE REQUIRED WORK THIS SPACE; PATCH AND REPAIR AS REQUIRED BY DISTURBANCE/WORK.
- EXISTING PLASTER CEILING TO REMAIN - CLEAN, PATCH, AND PAINT (NO HATCH)
- CEILING FAN
- EMERGENCY LIGHT FIXTURE
- 6" RECESSED CAN
- SURFACE MOUNTED FIXTURE
- PENDANT FIXTURE
- SURFACE MOUNTED INCANDESCENT STRIP LITE WITH OPEN ENDED WIRE GUARDS AT EACH LAMP
- CEILING MOUNT LINEAR FLUORESCENT FIXTURE
- SURFACE MOUNTED FLUORESCENT FIXTURE
- 2'x4' LAY-IN FLUORESCENT FIXTURE WITH LENS
- TRACK LIGHTING
- WALL SCONCE
- ABOVE VANITY SCONCE
- DASHED = EXST. FIXTURE TO REMAIN
- EXIT SIGN
- (S) SMOKE DETECTOR
- COVE LIGHTING
- 2' X 2' SUPPLY AIR
- 2' X 2' RETURN AIR
- WALL SUPPLY AIR
- WALL RETURN AIR
- 2' X 2' EXHAUST FAN
- 8'-6" CEILING ELEVATION MARKER
- RECEPTACLE INSTALLED ON PIPE GRID (FOR LIGHT FIXTURES)
- PIPE GRID LIGHT FIXTURE, SEE THEATRICAL.
- NEW DECORATIVE CEILING RETURN AIR GRILLE
- EXST. DECORATIVE CEILING GRILLE (NOT USED FOR HVAC)

REFLECTED CEILING PLAN - KEY NOTES

1. LINE OF EXISTING EXPOSED BEAMS.
2. PAINTED GYP. BD. FURR DOWN. SEE A442 FOR DIMENSIONS.
3. EXISTING PLASTER MEDALLION TO BE PATCHED AND REPAIRED AS REQUIRED, PAINTED. SEE DETAIL FOR PAINT COLORS.
4. OWNER PROVIDED TRACK LIGHTING - PROVIDE JUNCTION BOXES - SEE ELECTRICAL
5. DUCTWORK - SEE MECH. (TYP.)
6. EXST. TRUSSES INSIDE BALCONY (TYP.)

ALTERNATES

ALTERNATE NO. 5 - EXPOSE EXISTING LOBBY HISTORIC CEILING; IF ALTERNATE ACCEPTED, CEILING FIXTURE TO BE CHANDELIER AS SELECTED RATHER THAN (BASE BID) CEILING FLUSH MOUNT - OWNER TO SELECT.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD 19355 STATE OF TEXAS

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SHEET TITLE

RENOVATED
LEVEL 3
REFLECTED CEILING PLAN

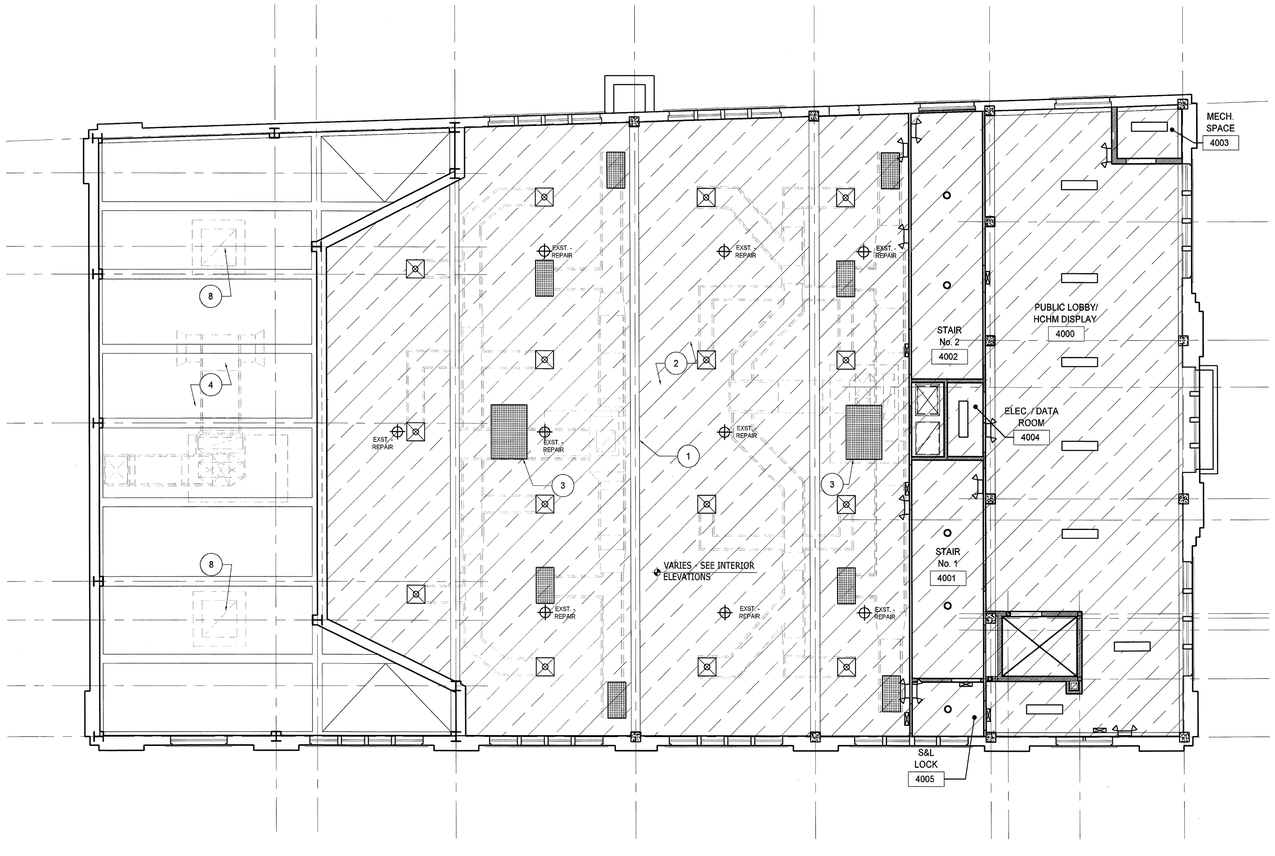
SHEET NO.

A142

23 Jun 11 - 12:35pm

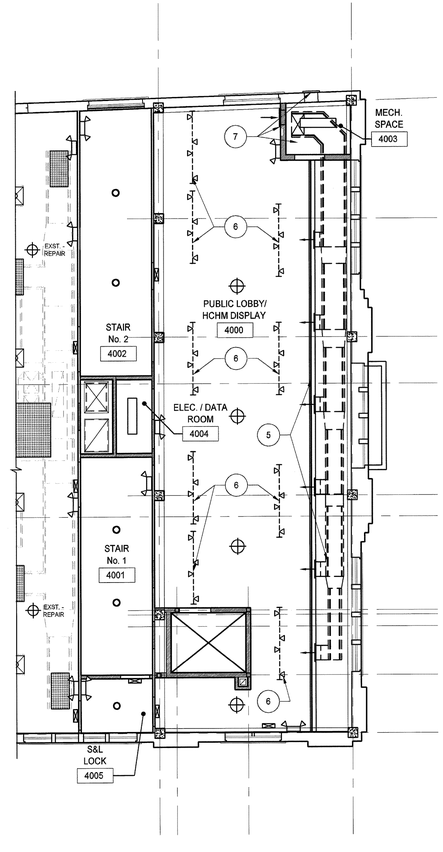
REFLECTED CEILING PLAN GENERAL NOTES

SEE GENERAL NOTES ON SHEET A140.



1 LEVEL 4 REFLECTED CEILING PLAN
A143

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



2 LEVEL 4 REFLECTED CEILING PLAN - ALTERNATE #4
A143

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

LEGEND

- GYPSUM BOARD CEILING
- 2'x2' ACOUSTICAL LAY IN CEILING TILE
- EXSTING CLNG. TO REMAIN - ONLY CODE REQUIRED WORK THIS SPACE; PATCH AND REPAIR AS REQUIRED BY DISTURBANCE/WORK.
- EXISTING PLASTER CEILING TO REMAIN - CLEAN, PATCH, AND PAINT (NO HATCH)
- CEILING FAN
- EMERGENCY LIGHT FIXTURE
- 6" RECESSED CAN
- SURFACE MOUNTED FIXTURE
- PENDANT FIXTURE
- SURFACE MOUNTED INCANDESCENT STRIP LITE WITH OPEN ENDED WIRE GUARDS AT EACH LAMP
- CEILING MOUNT LINEAR FLUORESCENT FIXTURE
- SURFACE MOUNTED FLUORESCENT FIXTURE
- 2'x4' LAY-IN FLUORESCENT FIXTURE WITH LENS
- TRACK LIGHTING
- WALL SCONCE
- ABOVE VANITY SCONCE
- DASHED = EXST. FIXTURE TO REMAIN
- EXIT SIGN
- (S) SMOKE DETECTOR
- COVE LIGHTING
- 2' X 2' SUPPLY AIR
- 2' X 2' RETURN AIR
- WALL SUPPLY AIR
- WALL RETURN AIR
- 2' X 2' EXHAUST FAN
- 8'-6" CEILING ELEVATION MARKER
- RECEPTACLE INSTALLED ON PIPE GRID (FOR LIGHT FIXTURES)
- PIPE GRID LIGHT FIXTURE, SEE THEATRICAL.
- NEW DECORATIVE CEILING RETURN AIR GRILLE
- EXST. DECORATIVE CEILING GRILLE (NOT USED FOR HVAC)

REFLECTED CEILING PLAN - KEY NOTES

1. LINE OF EXISTING EXPOSED BEAMS.
2. EXST. CEILING TO REMAIN. PATCH, REPAIR, AND PAINT AS REQUIRED BY DISTURBANCE AND DIRECTED BY OWNER.
3. EXISTING CEILING GRILLES TO BE CLEANED, PAINTED, AND REINSTALLED.
4. NO WORK AT STAGE CEILING UNLESS PATCHING REQUIRED BY DISTURBANCE OF NEW WORK.
5. PAINTED GYP. BD. FURR DOWN w/ COVE LIGHTING AND DUCTWORK(ALTERNATE No. 4). SEE A443 FOR DIMENSIONS.
6. OWNER PROVIDED TRACK LIGHTING - PROVIDE JUNCTION BOXES (ALTERNATE No. 4).
7. FUR-1 UNIT, R/A GRILLE, O/A LOUVER (ALTERNATE No. 4).
8. EMERGENCY ROOF VENTILATIORS - SEE MECH.

ALTERNATES

ALTERNATE NO. 4 - ADDITIONAL LOBBY SPACE / HCHM DISPLAY AREA BUILD OUT - ADD PAINTED GYP. BD. FURR DOWN w/ COVE LIGHTING, DUCTWORK, FUR-1 FURNACE/CONDENSER UNIT, RETURN AIR LOUVER, AND O/A VENT ON EXTERIOR. LIGHT FIXTURES AS SHOWN IN 2/A143. PROVIDE WIRING AND JUNCTION BOXES FOR TRACK LIGHTING AS PART OF ALTERNATE - TRACK LIGHTING TO BE OWNER PROVIDED. SEE MECH. AND ELECTRICAL FOR MORE INFORMATION.

ALTERNATE NO. 7 - REPLACE AUDITORIUM CEILING - SEE DETAIL 4/A705 AND ACT3 ON APPENDIX B FINISH LEGEND.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT
WORREL R. HOWARD
71896
STATE OF TEXAS

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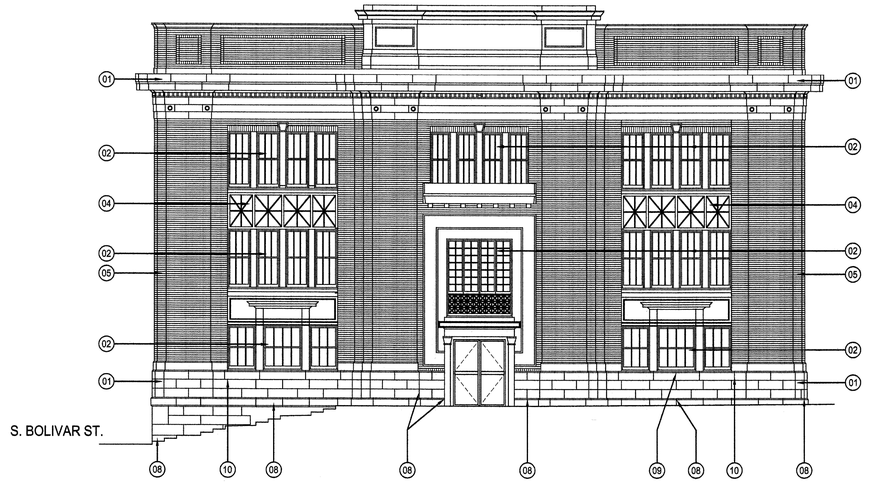
SHEET TITLE

RENOVATED
LEVEL 4
REFLECTED CEILING PLAN

SHEET NO.

A143

23 Jun 11 - 12:34pm

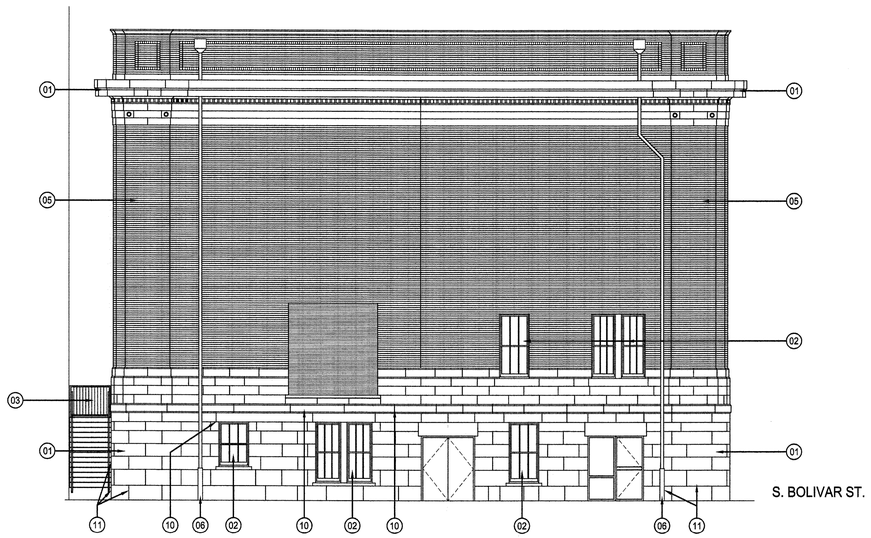


1 - - MEMORIAL CITY HALL - NORTH ELEVATION

EAST HOUSTON STREET

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

0 4' 8' 16'



2 - - MEMORIAL CITY HALL - SOUTH ELEVATION

EAST BOWIE STREET

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

0 4' 8' 16'

DEMOLITION KEYNOTES: (ALL NOTES MAY NOT APPLY TO THIS SHEET)

01 --

RENOVATIONS KEYNOTES: (ALL NOTES MAY NOT APPLY TO THIS SHEET)

01 PAINT EXISTING STONE
02 RESTORE EXISTING WINDOWS
03 NEW STAIRS AND LANDING TO REPLACE EXISTING
04 PAINT EXISTING TRANSOMS
05 CLEAN EXISTING BRICK.
06 PAINT EXISTING DOWNSPOUT BOOT
07 PAINT EXISTING DOWNSPOUTS AND CONDUCTOR HEADS
08 PATCH SPALLED STONE
09 REPAIR CRACK IN STONE
10 PATCH SPALLED STONE AT MORTAR JOINT AND REPOINT
11 REPOINT STONE

GENERAL NOTES:

01 PATCH EXISTING MASONRY AND STONE WHERE EXISTING CONDUITS , PIPING, ETC. ARE REMOVED

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2856 F 903.595.5972

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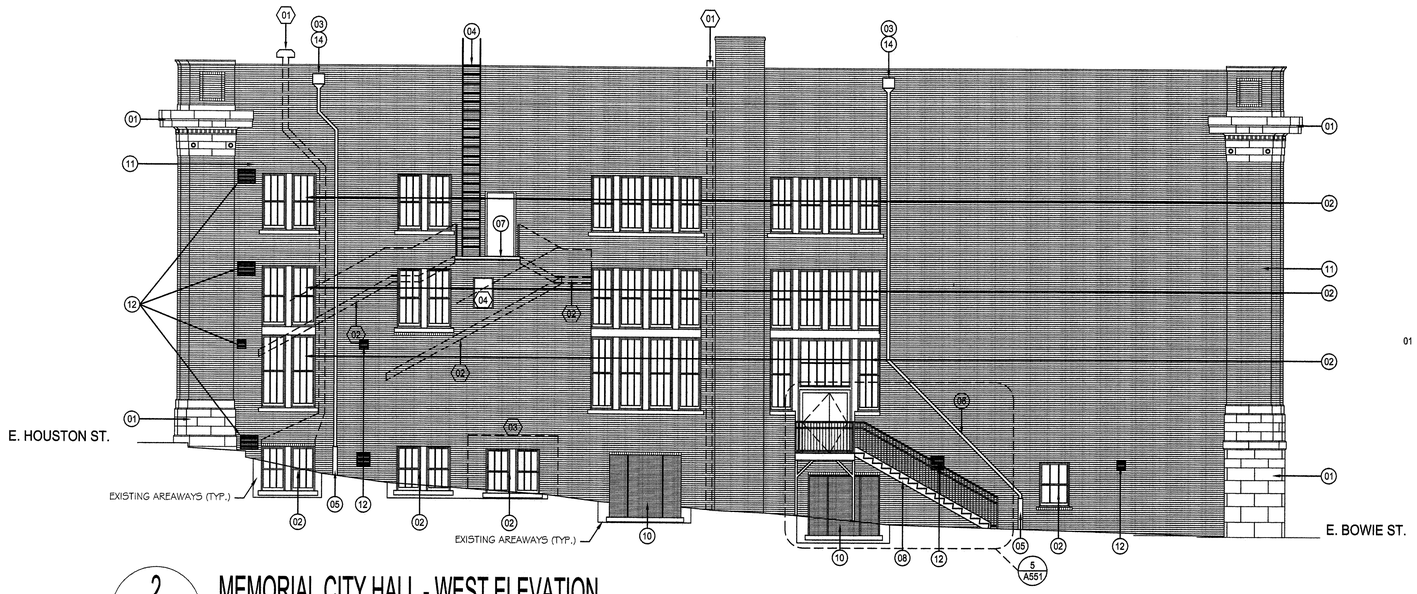
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SHEET TITLE
EXT. ELEVATIONS

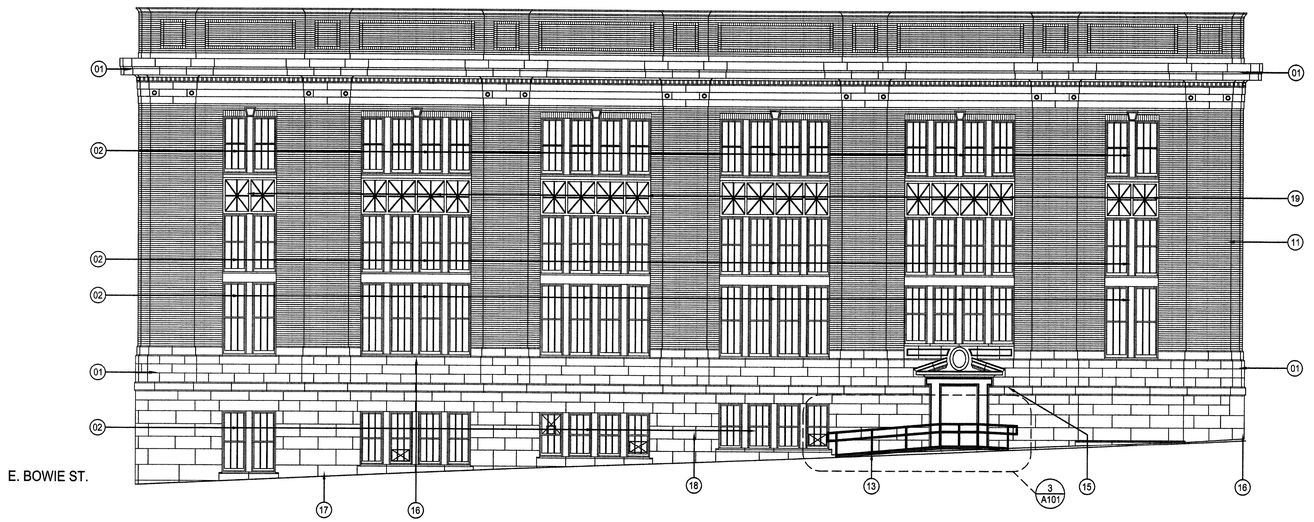
SHEET NO.
A201



2 MEMORIAL CITY HALL - WEST ELEVATION

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

0 4' 8' 16'



1 MEMORIAL CITY HALL - EAST ELEVATION

SOUTH BOLIVAR STREET

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

0 4' 8' 16'

DEMOLITION KEYNOTES: (ALL NOTES MAY NOT APPLY TO THIS SHEET)

01 REMOVE EXISTING DUCT
02 REMOVE EXISTING METAL STAIRS AND LANDINGS
03 REMOVE EXISTING METAL FRAMING
04 REMOVE EXISTING FAN AND PATCH HOLE TO MATCH EXISTING

RENOVATIONS KEYNOTES: (ALL NOTES MAY NOT APPLY TO THIS SHEET)

01 PAINT EXISTING STONE
02 RESTORE EXISTING WINDOWS
03 EXISTING DOWNSPOUT AND LEADER HEAD
04 NEW LADDER TO REPLACE EXISTING, SEE STRUCTURAL
05 EXISTING CAST IRON DOWNSPOUT BOOT
06 CONNECT EXISTING DOWNSPOUT TO EXISTING BOOT, MATCH EXISTING
07 NEW LANDING TO REPLACE EXISTING, SEE STRUCTURAL
08 NEW STAIRS AND LANDING TO REPLACE EXISTING, SEE STRUCTURAL
09 PAINT EXISTING TRANSOMS
10 EXISTING LOUVERS TO REMAIN
11 CLEAN EXISTING BRICK
12 EXHAUST OR F/A INTAKE, SEE MEP AND STRUCTURAL
13 NEW RAMP
14 PAINT EXISTING DOWNSPOUTS AND CONDUCTOR HEADS
15 PATCH HOLE IN STONE
16 REMOVE EXISTING STONE AND RESET IN WALL
17 PATCH SPALLED STONE
18 PATCH SPALLED STONE AT MORTAR JOINT AND REPOINT
19 PAINT EXISTING TRANSOMS.

GENERAL NOTES:

01 PATCH EXISTING MASONRY AND STONE WHERE EXISTING STAIRS, DUCTS, PIPING AND CONDUIT ARE REMOVED

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2600
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT 31 STATE OF TEXAS

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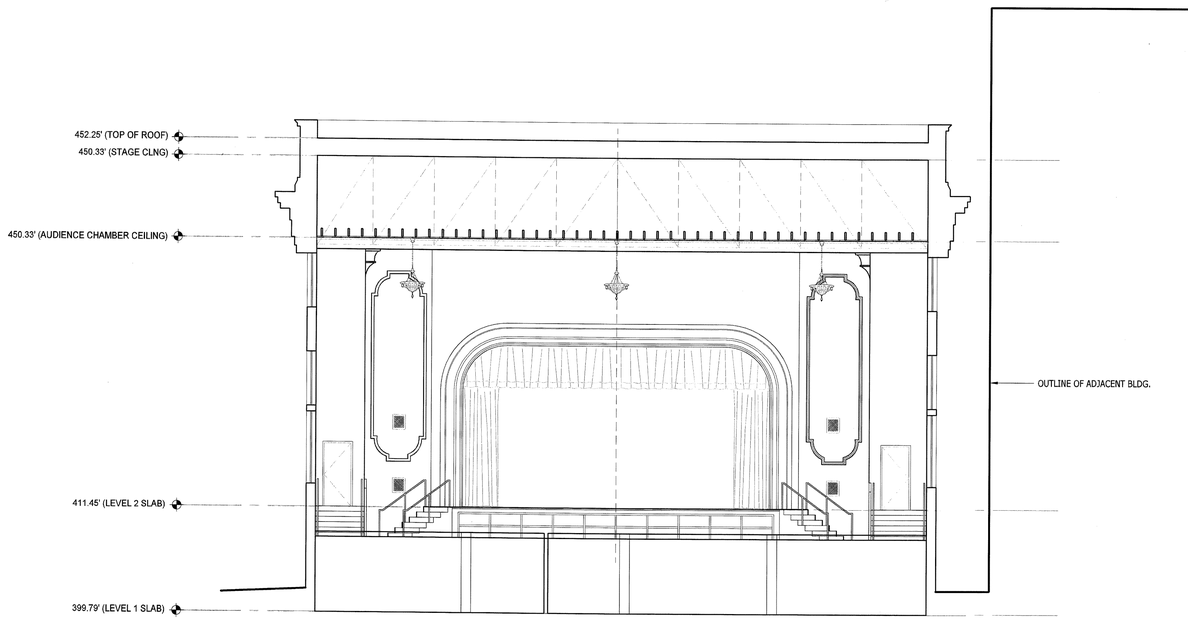
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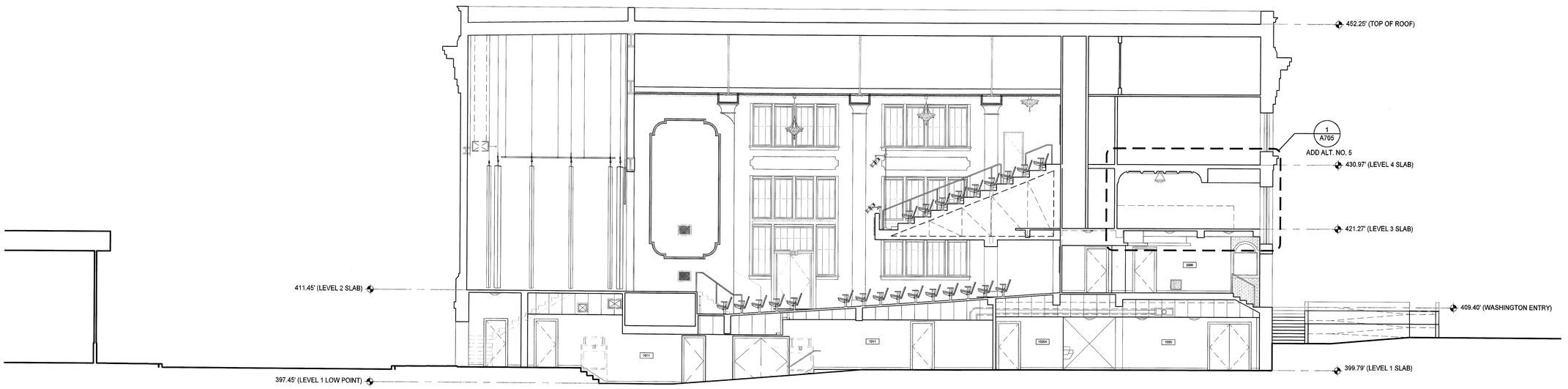
SHEET TITLE
EXT. ELEVATIONS

SHEET NO.
A202



2 A300 MEMORIAL CITY HALL BUILDING SECTION

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



1 A300 MEMORIAL CITY HALL BUILDING SECTION

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

RENOVATIONS TO MEMORIAL CITY HALL

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Marshall, Texas 75670-4144

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650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

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SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD 11896 STATE OF TEXAS

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SHEET TITLE

BUILDING SECTIONS

SHEET NO.

A300

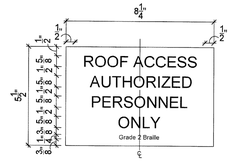
23 Jun 11 - 10:13am

INTERIOR SIGNAGE NOTES

1. TEXT STYLE TO BE DETERIMEND BY ARCHITECT, CONTRACTOR TO ANTICIPATE UP TO (10) BACKPLATE TEXT COLORS, TO BE DETERMINED BY THE ARCHITECT.

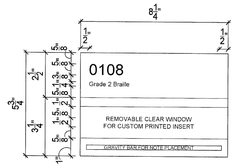
2. SIGNS ARE TO BE MECHANICALLY FASTENED UNLESS MOUNTING TO GLASS SURFACES, PROVIDE BACKER PLATE ON THE OPPOSITE SIDE OF GLASS TO CONCEAL VINYL TAPE.

3. LIMITED MOUNTING SPACE WILL REQUIRE WORDING TO BE STACKED IN ORDER TO REDUCE SIGN LENGTH, CONTRACTOR WILL VERIFY AVAILABLE SPACE.



13 A410 TYPE S7 - ROOF ACCESS SIGN

SCALE: 3" = 1'-0"



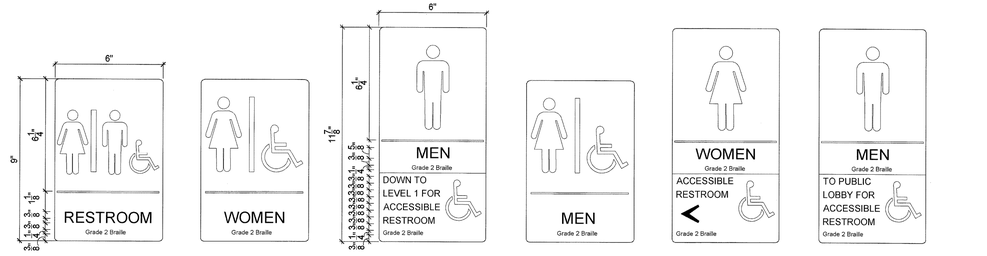
12 A410 TYPE S6 - TYP ROOM IDENTIFICATION SIGN

SCALE: 3" = 1'-0"



11 A410 TYPE S5 - TYP ACCESSIBLE DRESSING ROOM SIGN

SCALE: 3" = 1'-0"



10 A410 TYPE S4 - TYP RESTROOM SIGNS

SCALE: 3" = 1'-0"



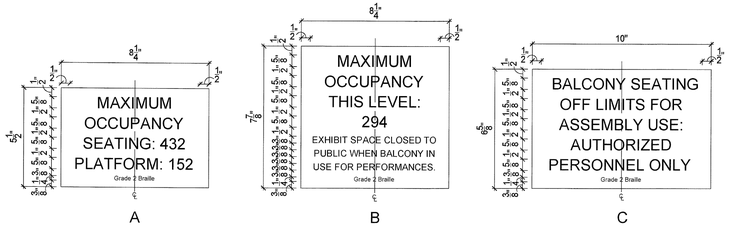
9 A410 TYP SIGN MOUNTING HEIGHT

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



8 A410 TYPE S3 - TYP STAIR SIGN

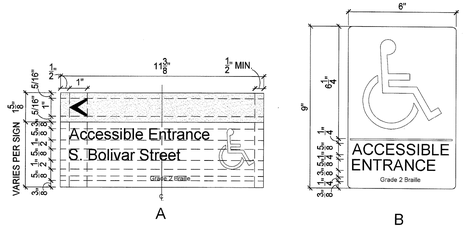
SCALE: 3" = 1'-0"



NOTE:* THIS SIGN MUST BE INSTALLED THIS PHASE DUE TO BALCONY'S NON COMPLIANCE WITH CODE REQUIREMENTS.

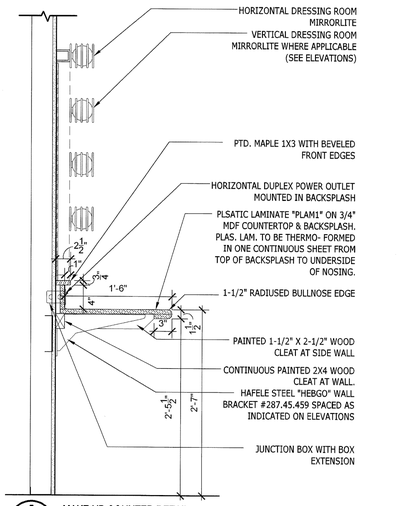
7 A410 TYPE S2 - MAXIMUM OCCUPANCY SIGNS

SCALE: 3" = 1'-0"



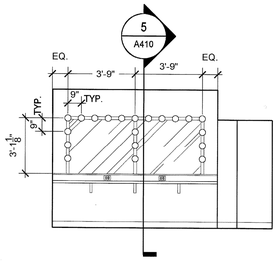
6 A410 TYPE S1 - ACCESSIBLE ENTRANCE SIGNS

SCALE: 3" = 1'-0"



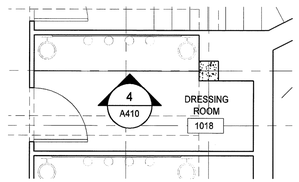
5 A410 MAKE UP COUNTER DETAIL

SCALE: 1" = 1'-0"



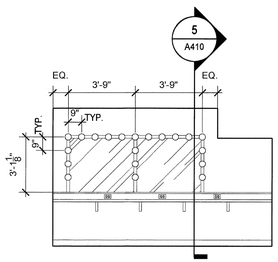
4 A410 INTERIOR ELEVATION - DRESSING ROOM 1018

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



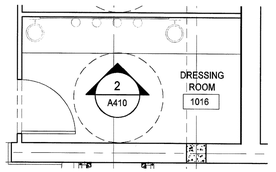
3 A410 ENLARGED PLAN DRESSING ROOM 1018

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



2 A410 INTERIOR ELEVATION - DRESSING ROOM 1016 (1017 SIM.)

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



1 A410 ENLARGED PLAN DRESSING ROOM 1016 (1017 SIM.)

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

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

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	CONSTRUCTION DOCUMENTS	31 MAY 2011

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PROJECT NO.	10-001

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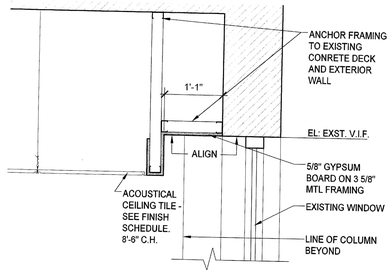
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DRESSING ROOM DETAILS & SIGNAGE TYPES

SHEET NO.

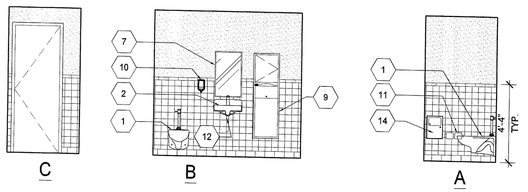
A410

23 Jun 11 - 10:18am



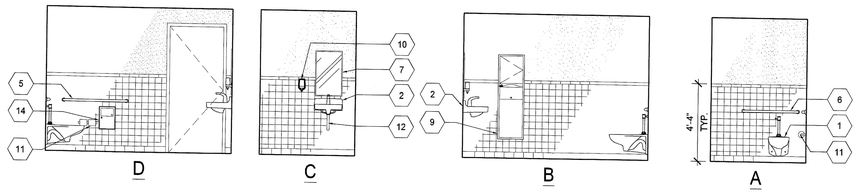
12 A420 CEILING DETAIL @ TOILET ROOM WINDOW (TYP.)

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



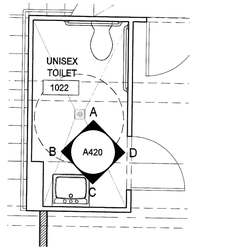
11 A420 INTERIOR ELEVATIONS - UNISEX TOILET 2003

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



9 A420 INTERIOR ELEVATIONS - UNISEX TOILET 1022

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



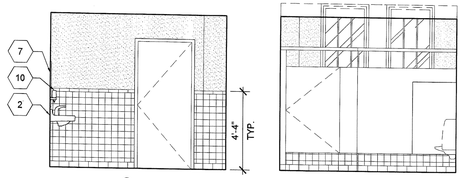
8 A420 ENLARGED PLAN UNISEX TOILET 1022 (EXIST'G)

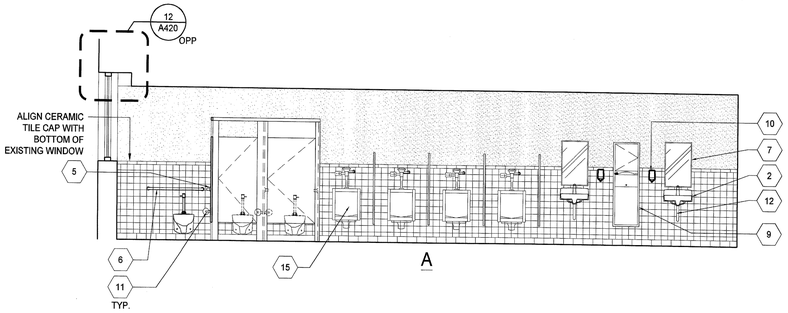
SCALE: 1/4" = 1'-0"



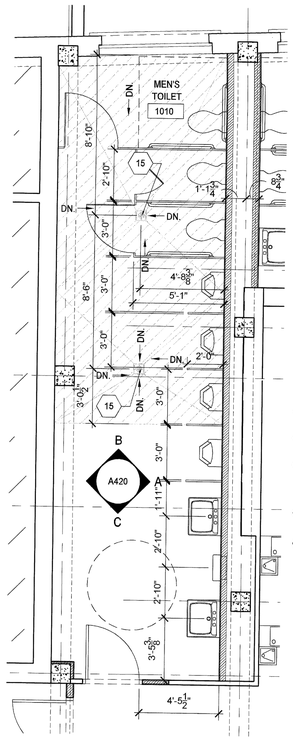
10 A420 ENLARGED PLAN MEN'S TOILET 2003 (EXIST'G)

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



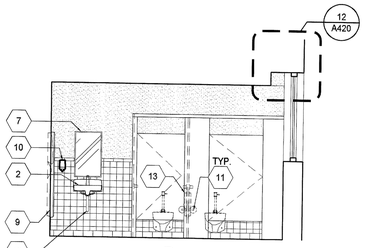


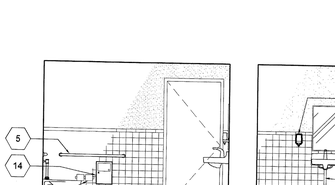
7 A420 INTERIOR ELEVATIONS - MEN'S TOILET 1010

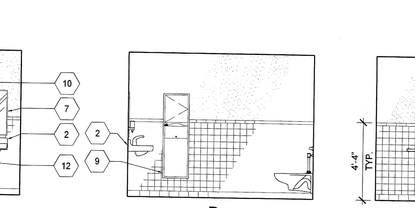


6 A420 ENLARGED PLAN MEN'S TOILET 1010

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

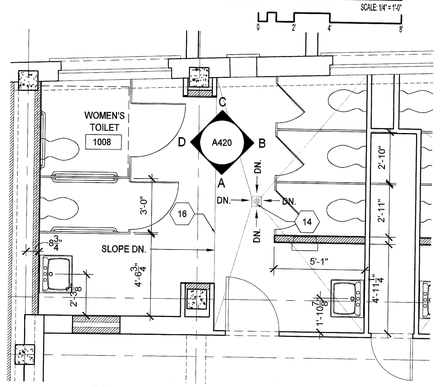






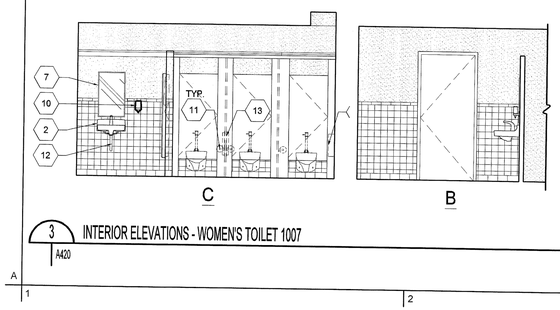
5 A420 INTERIOR ELEVATIONS - WOMEN'S TOILET 1008

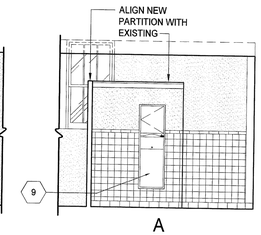
SCALE: 1/4" = 1'-0"



4 A420 ENLARGED PLAN WOMEN'S TOILET 1008

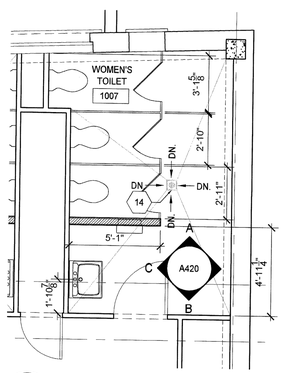
SCALE: 1/4" = 1'-0"





3 A420 INTERIOR ELEVATIONS - WOMEN'S TOILET 1007

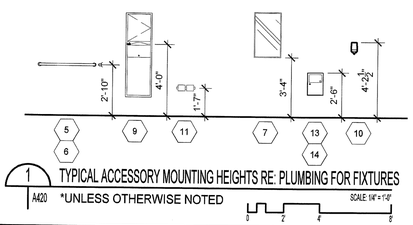
SCALE: 1/4" = 1'-0"



2 A420 ENLARGED PLAN WOMEN'S TOILET 1007

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

GENERAL NOTE:
TOILET ROOMS NO. 1023 & 1030 NOT ELEVATED - SEE PLANS & FINISH SCHEDULE



1 A420 TYPICAL ACCESSORY MOUNTING HEIGHTS RE: PLUMBING FOR FIXTURES

*UNLESS OTHERWISE NOTED

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

TOILET ROOM FIXTURES AND ACCESSORIES			
1	TOILET, SEE PLUMBING	12	"UG-1" UNDERLAVATORY GUARD (TYP).
2	LAVATORY, SEE PLUMBING	13	"ND-1" SANITARY NAPKIN DISPOSAL (DUAL SIDED).
3	DRINKING FOUNTAIN, SEE PLUMBING	14	"ND-2" SANITARY NAPKIN DISPOSAL (SINGLE).
4	TOILET PARTITION	15	EXST. FLOOR DRAIN TO BE REPLACED (SAME LOCATION), SEE PLUMBING.
5	"GB-1" GRAB BAR, SIDE OF TOILET, 42"		
6	"GB-2" GRAB BAR, BACK OF TOILET, 36"	16	NEW FLOOR DRAIN, SEE PLUMBING. DEMOLISH EXST. SLAB WHERE SHOWN HATCHED; SLOPE REPLACEMENT SLAB TO DRAIN 1/8" PER FOOT MIN. (1/4" PER FOOT MAX.) JOINT B/W SLABS SIMILAR TO STRUCTURAL DETAIL 3/S201. THIN SET FLOOR TILE.
7	"MU-1" MIRROR UNIT, WALL MOUNTED.		
8	"C-1" COAT HOOK (TYP. AT EA. TOILET PARTITION)		
9	"WR-1" PAPER TOWEL DISP. / WASTE RECEPTACLE	17	LEVELING COMPOUND TO CREATE SLOPE TO EXST. DRAIN 1/8" PER FOOT MIN (1/4" PER FOOT MAX.) THIN SET FLOOR TILE TO MATCH LEVEL OF EXST. ADJACENT FLOOR TILE.
10	"SD-1" SOAP DISPENSER		
11	"TD-1" TOILET PAPER ROLL DISPENSER		

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT PIERRE R. ROYER 11996 STATE OF TEXAS

SEAL

NO.	SUBMISSION	DATE
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PROJECT NO.	10-001

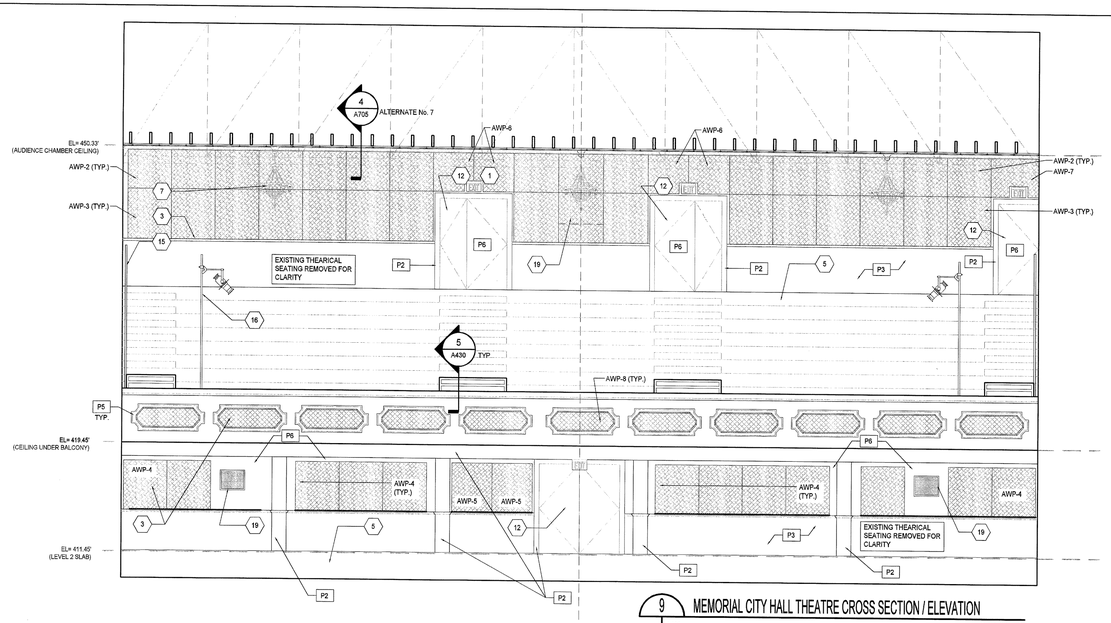
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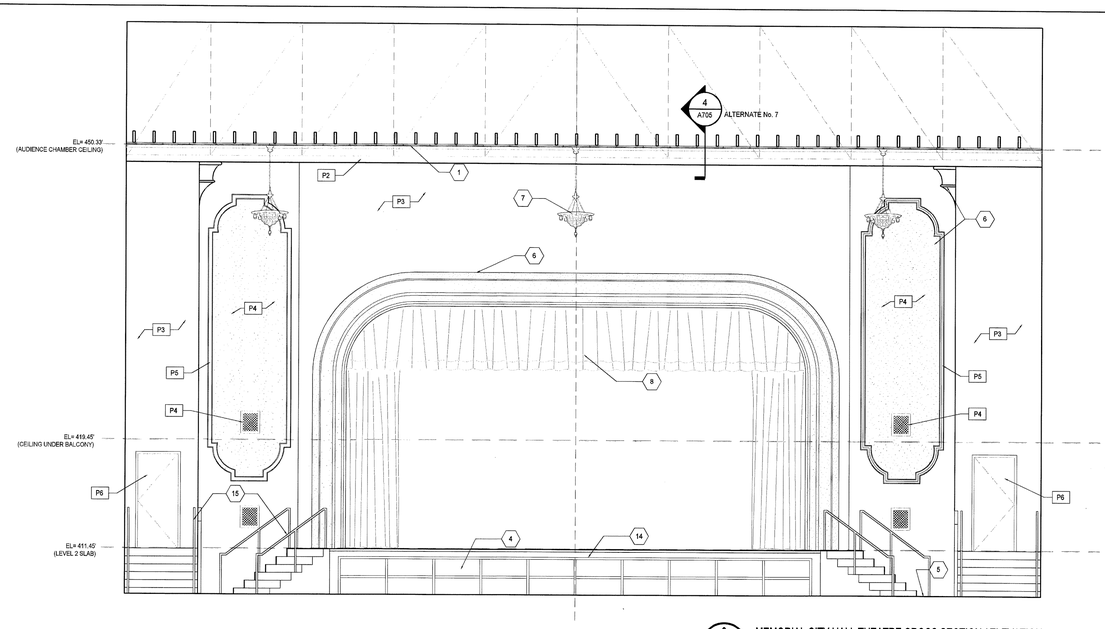
INTERIOR ELEVATIONS
TOILET ROOMS

SHEET NO.

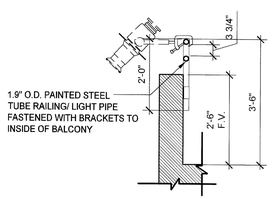
A420



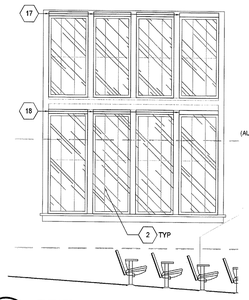
9 MEMORIAL CITY HALL THEATRE CROSS SECTION / ELEVATION
A430 — SCALE: 3/16" = 1'-0"



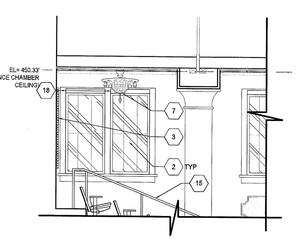
8 MEMORIAL CITY HALL THEATRE CROSS SECTION / ELEVATION
A430 — SCALE: 3/16" = 1'-0"



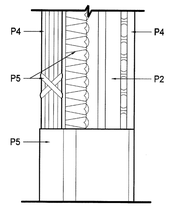
6 RAILING DETAIL
A430 — SCALE: 1/2" = 1'-0"



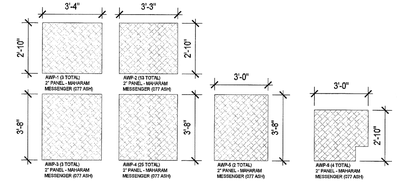
5 THEATRE PARTIAL SECTION / ELEVATION
A430 — SCALE: 3/16" = 1'-0"



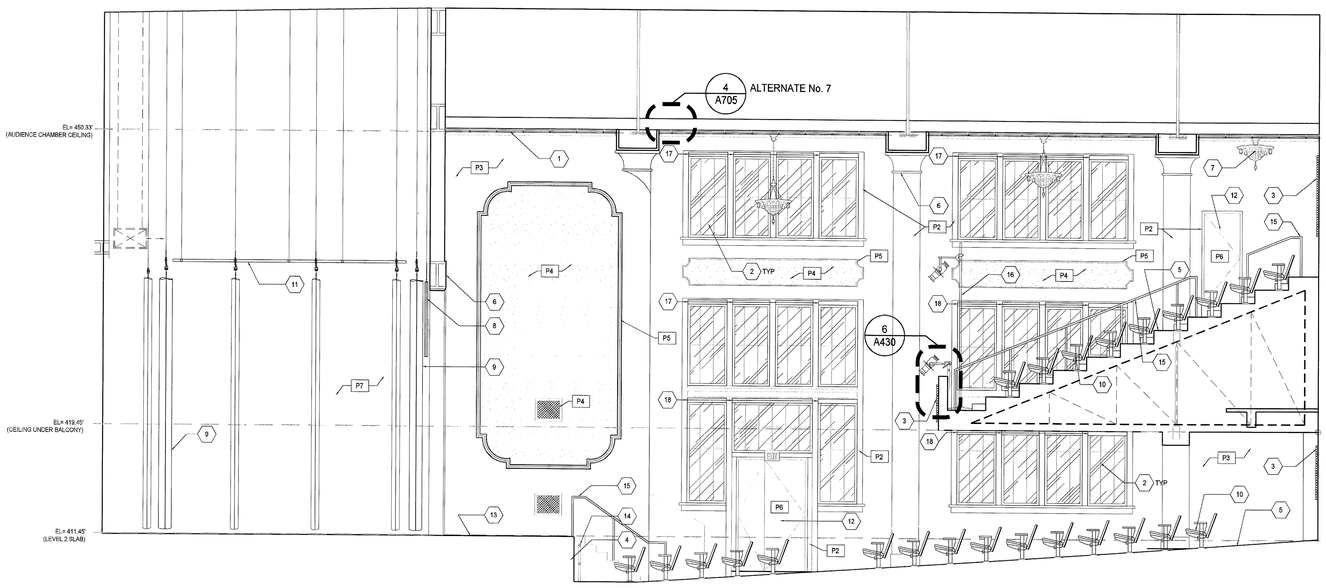
4 THEATRE PARTIAL SECTION / ELEVATION
A430 — SCALE: 3/16" = 1'-0"



3 PROSCENIUM AND COLUMN CAPITAL DETAIL
A430 — SCALE: 1/2" = 1'-0"



2 ACOUSTIC WALL PANEL TYPES
A430



1 MEMORIAL CITY HALL THEATRE LONGITUDINAL SECTION / ELEVATION
A430 — SCALE: 3/16" = 1'-0"

THEATRE RENOVATION - KEY NOTES	
	*SEE GENERAL NOTES SHEET A102 & FINISH SCHEDULE FOR ADDITIONAL INFORMATION
1	EXST. CEILING TO REMAIN - OWNER DIRECTED PATCHING, REPAIRING, PAINTING AS REQ'D.
2	NEW ACOUSTICAL WINDOWS SET IN EXISTING WINDOWS (TYP. ALL WINDOWS IN THEATRE - SEE A601).
3	ACOUSTICAL WALL PANELS - SEE SPECIFICATIONS.
4	2 LAYERS OF 5/8" GYP. BD. ADDED TO STAGE FRONT.
5	CLEAN AND REPAIR CONCRETE FLOOR - SEE SPECIFICATIONS.
6	REPAIR AND PAINT DECORATIVE PLASTER - SEE SPECIFICATIONS.
7	REFURBISH EXISTING LIGHTING AND CEILING FANS - SEE ELECTRICAL DWGS.
8	NEW PROSCENIUM DRAPERY - SEE THEATRICAL DWGS.
9	NEW THEATRICAL DRAPERY- SEE THEATRICAL DWGS.
10	NEW FABRIC SEAT PADS ON EXISTING THEATRICAL SEATING.
11	NEW PIPE GRID ABOVE STAGE - SEE THEATRICAL DWGS.
12	NEW STC RATED DOORS (SEE DOOR SCHEDULE).
13	REPAIR AND REFINISH STAGE FLOORING.
14	CLEAN, REPAIR AND POLISH RAILING.
15	NEW FLOOR MOUNTED 1 1/2" DIA. PAINTED STEEL PIPE RAILINGS MOUNTED 36" A.F.F.
16	REMOVABLE VERTICAL LIGHTING BATTEN.
17	MOTORIZED ROLLER SHADES - SEE SPECIFICATIONS.
18	MANUAL ROLLER SHADES - SEE SPECIFICATIONS.
19	EXST. DECORATIVE GRILLE TO REMAIN (NOT TO BE USED FOR HVAC).

RENOVATIONS TO MEMORIAL CITY HALL

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Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT
MICHAEL R. HOWARD
71898
STATE OF TEXAS

SEAL

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CHECKED BY:	PA
DRAWN BY:	PA
PROJECT NO.	10-001

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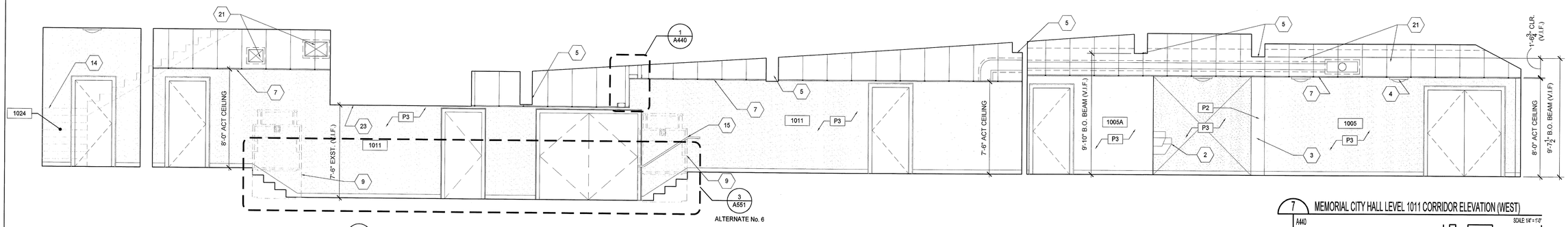
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INTERIOR ELEVATIONS & DETAILS THEATRE

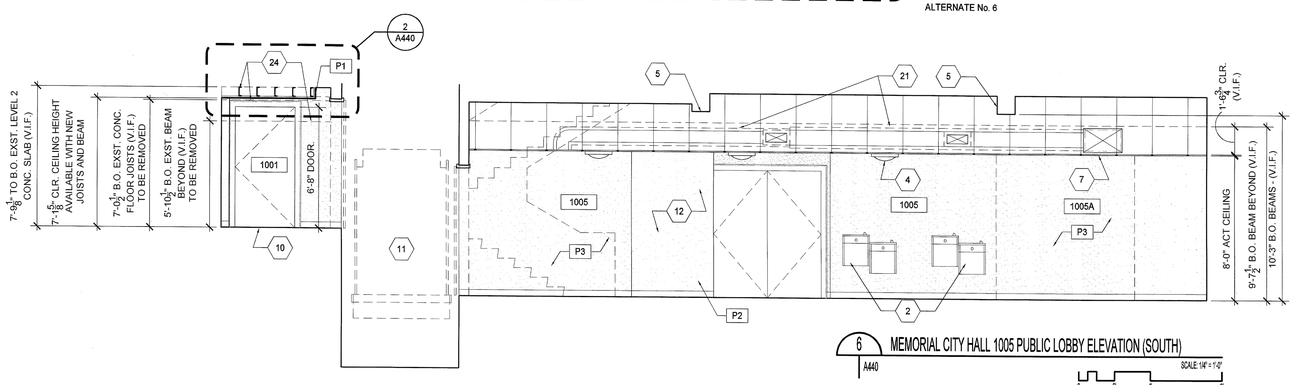
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A430

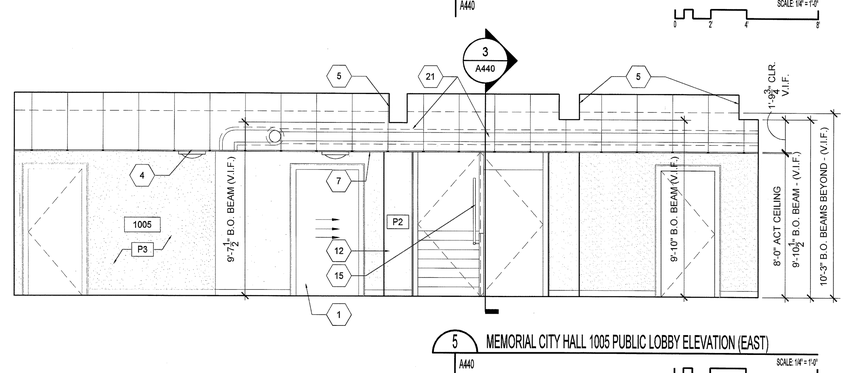
23 Jun 11 - 10:36am



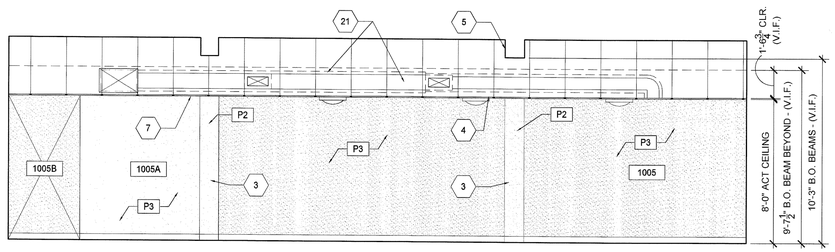
7 MEMORIAL CITY HALL LEVEL 1011 CORRIDOR ELEVATION (WEST)
A440 SCALE: 1/4" = 1'-0"



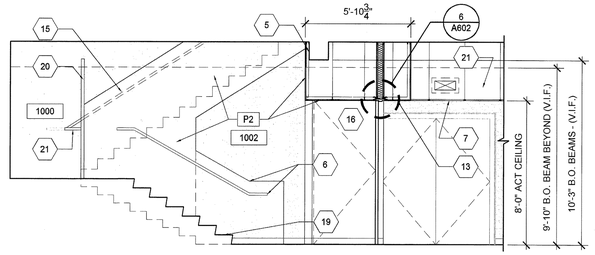
6 MEMORIAL CITY HALL 1005 PUBLIC LOBBY ELEVATION (SOUTH)
A440 SCALE: 1/4" = 1'-0"



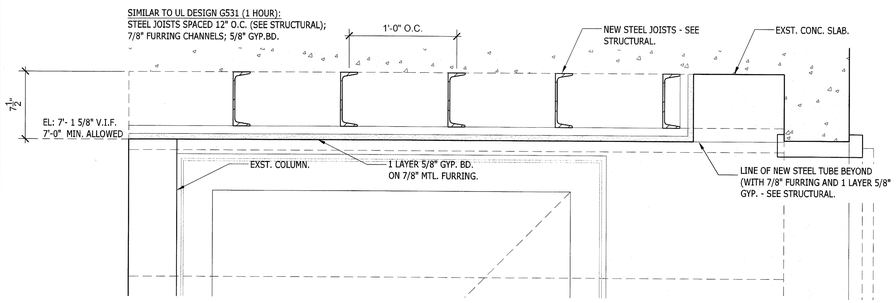
5 MEMORIAL CITY HALL 1005 PUBLIC LOBBY ELEVATION (EAST)
A440 SCALE: 1/4" = 1'-0"



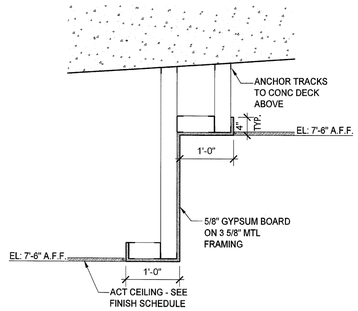
4 MEMORIAL CITY HALL 1005 PUBLIC LOBBY ELEVATION (NORTH)
A440 SCALE: 1/4" = 1'-0"



3 COILING FIRE SHUTTER - LEVEL 1
A440 SCALE: 1/4" = 1'-0"



2 CEILING DETAIL @ ELEVATOR VESTIBULE 1001
A440 SCALE: 1 1/2" = 1'-0"



1 CEILING DETAIL @ CORRIDOR 1011
A440 SCALE: 3/4" = 1'-0"

LEVEL 1 LOBBY RENOVATION - KEY NOTES			
*SEE GENERAL NOTES SHEET A102, A140 & FINISH SCHEDULE FOR ADDITIONAL INFORMATION.			
**ALL FURR DOWN SIZES MUST BE COORDINATED WITH FINAL DUCT LAYOUTS AND SIZING AND CONFIRMED PRIOR TO CONSTRUCTION.			
1	DOOR TO ELEVATOR.	14	STAIR No. 3 (1021) BEYOND.
2	DRINKING FOUNTAIN - SEE PLUMBING.	15	NEW HANDRAIL ATTACHED TO EXST. STAIR WALL.
3	EXST. COLUMN (TYP). PAINT "P2".	16	DOUBLE DOOR WITH MAGNETIC HOLDOPEN DEVICE.
4	CEILING MOUNT FIXTURE (TYP).	17	NOT USED.
5	EXST. BEAM (TYP).	18	NOT USED.
6	NEW KNEE WALL w/HANDRAIL.	19	NEW STAIR RUN - SEE A550 / A551.
7	ACT CEILING (TYP).	20	GATE w/ PIVOT DOOR - SEE DOOR SCHEDULE / DETAILS.
8	NOT USED.	21	NEW HANDRAIL EXTENSION, RETURNS BACK TO EXST. KNEE WALL.
9	NEW ADAAG COMPLIANT PLATFORM LIFT.	22	DUCTWORK ABOVE CEILING - VERIFY CLEARANCE IN FIELD.
10	FLOOR LEVEL OF NEW ELEVATOR VESTIBULE (1001) - SEE STRUCTURAL.	23	CONC. STRUCTURE OF EXST. ORCHESTRA PIT ABOVE.
11	ELEVATOR - SEE A550 / A551.	24	EXST. CONC. BEAM (BETWEEN 1000 AND 1001) AND EXST. CONC. FLOOR JOISTS ABOVE TO BE REMOVED. REPLACE WITH NEW STEEL TUBE AND JOISTS TO ALLOW FOR ADEQUATE CEILING HEIGHT - SEE STRUCTURAL. 7/8" MTL. FURRING WITH 5/8" GYP. BD. CEILING.
12	EXST. CHASE / COLUMN TO REMAIN.		
13	GYP. BD. FURR DOWN.		

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2900
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD 11806 STATE OF TEXAS

SEAL

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

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PROJECT NO.	10-001

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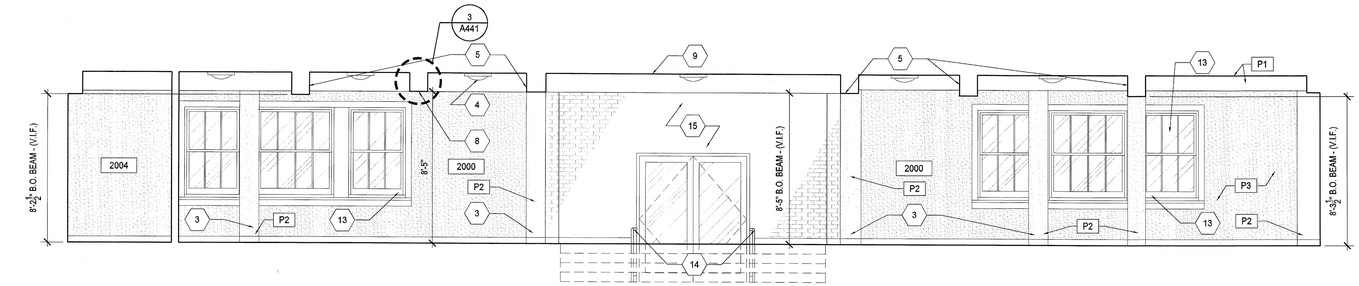
SHEET TITLE

INTERIOR ELEVATIONS & DETAILS LEVEL 1

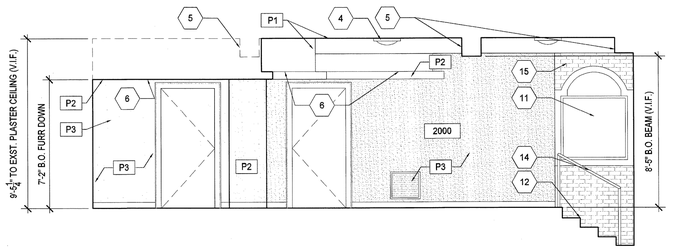
SHEET NO.

A440

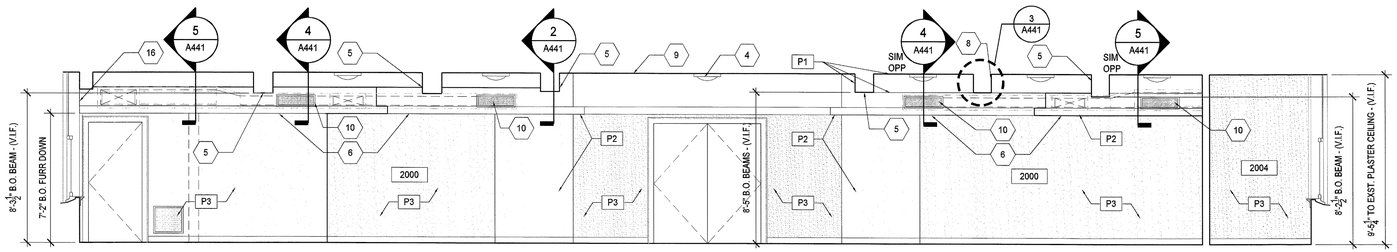
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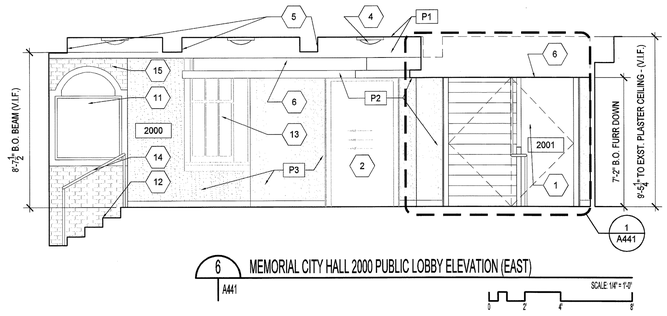
9 MEMORIAL CITY HALL 2000 PUBLIC LOBBY ELEVATION (NORTH)
A441 SCALE: 1/4" = 1'-0"



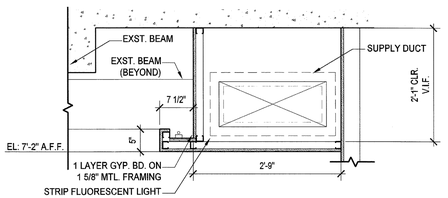
8 MEMORIAL CITY HALL 2000 PUBLIC LOBBY ELEVATION (WEST)
A441 SCALE: 1/4" = 1'-0"



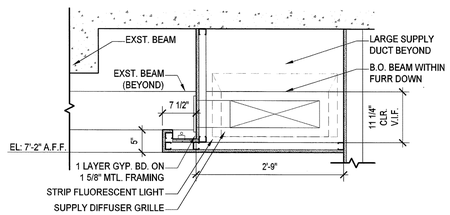
7 MEMORIAL CITY HALL 2000 PUBLIC LOBBY ELEVATION (SOUTH)
A441 SCALE: 1/4" = 1'-0"



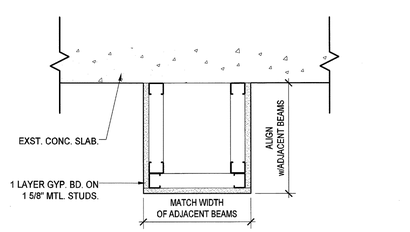
6 MEMORIAL CITY HALL 2000 PUBLIC LOBBY ELEVATION (EAST)
A441 SCALE: 1/4" = 1'-0"



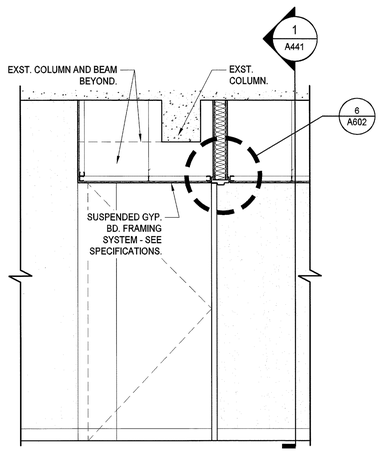
5 GYP. BD. FURR DOWN DETAIL
A441 SCALE: 3/4" = 1'-0"



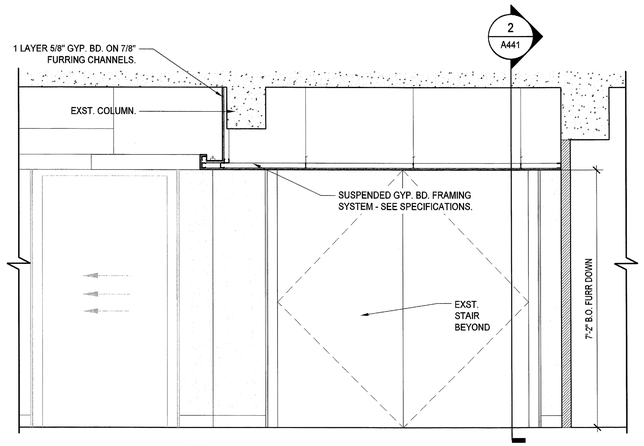
4 GYP. BD. FURR DOWN DETAIL
A441 SCALE: 3/4" = 1'-0"



3 FALSE BEAM DETAIL
A441 SCALE: 1 1/2" = 1'-0"



2 GYP. BD. FURR DOWN DETAIL @ STAIR
A441 SCALE: 1/2" = 1'-0"



1 GYP. BD. FURR DOWN DETAIL @ STAIR
A441 SCALE: 1/2" = 1'-0"

LEVEL 2 LOBBY RENOVATION - KEY NOTES			
*SEE GENERAL NOTES SHEET A102, A140 & FINISH SCHEDULE FOR ADDITIONAL INFORMATION.			
**ALL FURR DOWN SIZES MUST BE COORDINATED WITH FINAL DUCT LAYOUTS AND SIZING AND CONFIRMED PRIOR TO CONSTRUCTION.			
***FOR ADD ALTERNATE No. 5, REMOVAL OF LEVEL 3 FLOOR / LEVEL 2 CEILING TO EXPOSE HISTORIC CEILING MEDALLION, SEE A705.			
1	DOUBLE DOOR WITH MAGNETIC HOLDOPEN DEVICE.	12	EXST. STAIR TO BE PAINTED.
2	DOOR TO ELEVATOR.	13	EXST. WINDOW TO REMAIN.
3	EXST. COLUMN (TYP). PAINT "P2".	14	EXST. RAILING TO REMAIN; CLEAN AND POLISH.
4	CEILING MOUNT FIXTURE (TYP).	15	EXST. BRICK TO BE PAINTED (INTERIOR SIDE ONLY).
5	EXST. BEAM (TYP). PAINT "P1". SEE DETAIL 3/A441.	16	ALIGN EDGE FACE OF FURR DOWN WITH OUTSIDE (TOWARD WINDOW) FACE OF EXST. BEAM.
6	GYP. BD. FURR DOWN WITH COVE LIGHTING. SEE DETAIL 1/A600. VERIFY AVAILABLE CLEAR INTERIOR SPACE OF FURR DOWN IN FIELD, AND COORDINATE WITH MECH. DUCT SIZES.		
7	NEW HANDRAIL ATTACHED TO EXST. STAIR WALL.		
8	NEW "FALSE" BEAM. PAINT "P1".		
9	EXST. PLASTER CEILING TO REMAIN (TYP). PAINT "P1".		
10	SUPPLY AIR DIFFUSER GRILLES.		
11	EXST. HISTORICAL PLAQUE TO REMAIN.		

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2900
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

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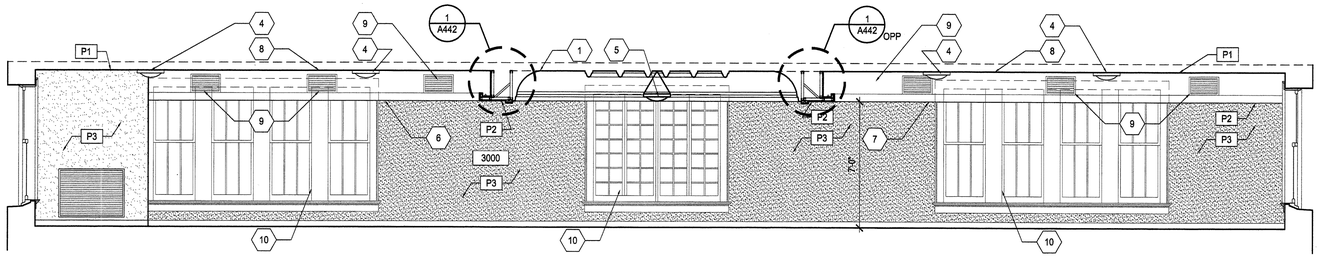
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INTERIOR ELEVATIONS & DETAILS LEVEL 2

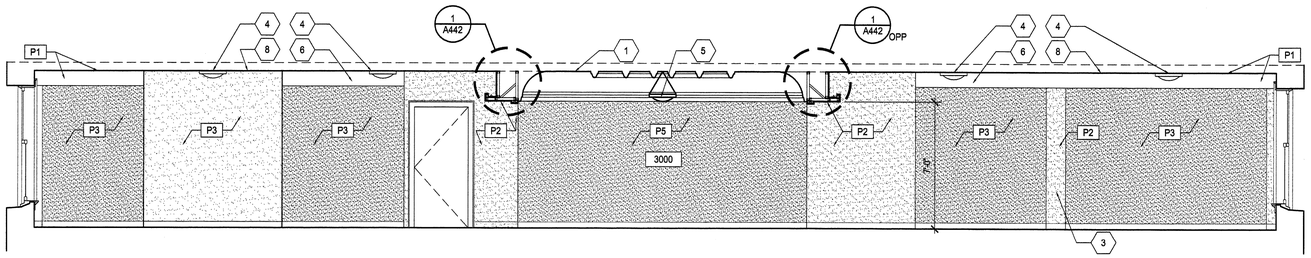
SHEET NO.

A441

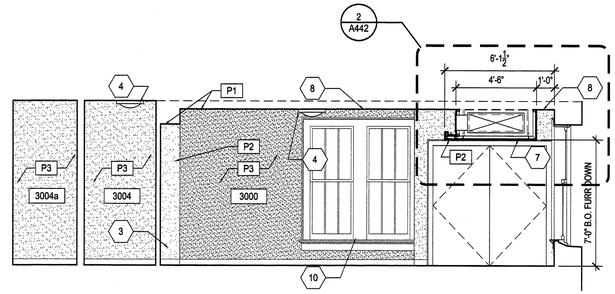
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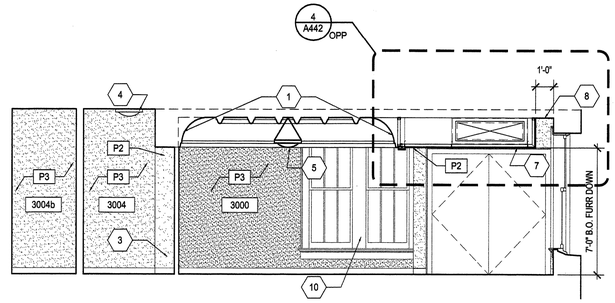
8 MEMORIAL CITY HALL 3000 PUBLIC LOBBY/HCHM MUSEUM ELEVATION (NORTH)
A442 SCALE: 1/4" = 1'-0"



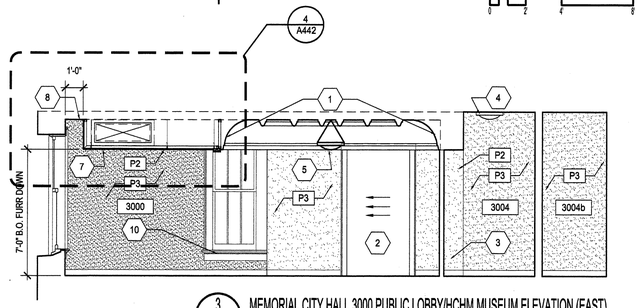
6 MEMORIAL CITY HALL 3000 PUBLIC LOBBY/HCHM MUSEUM ELEVATION (SOUTH)
A442 SCALE: 1/4" = 1'-0"



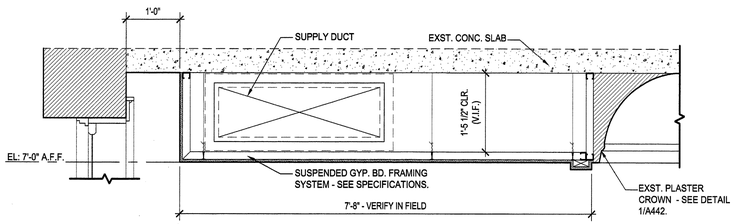
7 MEMORIAL CITY HALL 3000 PUBLIC LOBBY/HCHM MUSEUM ELEVATION (WEST)
A442 SCALE: 1/4" = 1'-0"



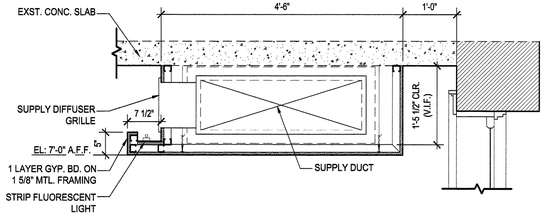
5 MEMORIAL CITY HALL 3000 PUBLIC LOBBY/HCHM MUSEUM ELEVATION (WEST)
A442 SCALE: 1/4" = 1'-0"



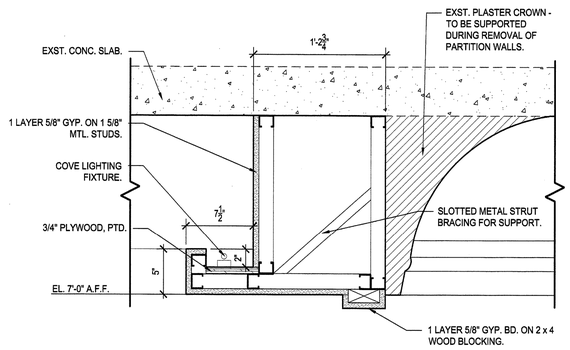
3 MEMORIAL CITY HALL 3000 PUBLIC LOBBY/HCHM MUSEUM ELEVATION (EAST)
A442 SCALE: 1/4" = 1'-0"



4 GYP. BD. FURR DOWN DETAIL
A442 SCALE: 3/4" = 1'-0"



2 GYP. BD. FURR DOWN DETAIL
A442 SCALE: 3/4" = 1'-0"



1 DETAIL OF GYP. BD. FURR DOWN AROUND MEDALLION
A442 SCALE: 1 1/2" = 1'-0"

LEVEL 3 LOBBY RENOVATION - KEY NOTES			
*SEE GENERAL NOTES SHEET A102, A140 & FINISH SCHEDULE FOR ADDITIONAL INFORMATION.			
**ALL FURR DOWN SIZES MUST BE COORDINATED WITH FINAL DUCT LAYOUTS AND SIZING AND CONFIRMED PRIOR TO CONSTRUCTION.			
***FOR ADD ALTERNATE No. 5, REMOVAL OF LEVEL 3 FLOOR / LEVEL 2 CEILING TO EXPOSE HISTORIC CEILING MEDALLION, SEE A705.			
****FOR PAINT COLORS OF CEILING MEDALLION, SEE A142.			
1	HISTORIC PLASTER MEDALLION AND CROWN TO REMAIN. SUPPORT PLASTER CROWN DURING AND AFTER REMOVAL OF PARTITIONS (CURRENTLY LOCATED ON ALL SIDES). ADD BRACING / SUPPORT AS REQUIRED ONCE PARTITION IS REMOVED. GYP. BD. SURROUND WITH COVE LIGHTING TO SURROUND EXST. CROWN. SEE DETAIL 1/A442.	8	EXST. PLASTER CEILING TO REMAIN (TYP). PAINT "P1".
		9	SUPPLY AIR DIFFUSER GRILLES.
		10	EXST. WINDOW TO REMAIN.
2	DOOR TO ELEVATOR.		
3	EXST. COLUMN (TYP). PAINT "P2".		
4	CEILING MOUNT FIXTURE (TYP).		
5	CEILING MOUNT PENDANT (VERIFY SELECTION w/ OWNER).		
6	EXST. BEAM. PAINT "P1".		
7	GYP. BD. FURR DOWN WITH COVE LIGHTING. SEE DETAIL 1/A600. VERIFY AVAILABLE CLEAR INTERIOR SPACE OF FURR DOWN IN FIELD, AND COORDINATE WITH MECH. DUCT SIZES.		

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

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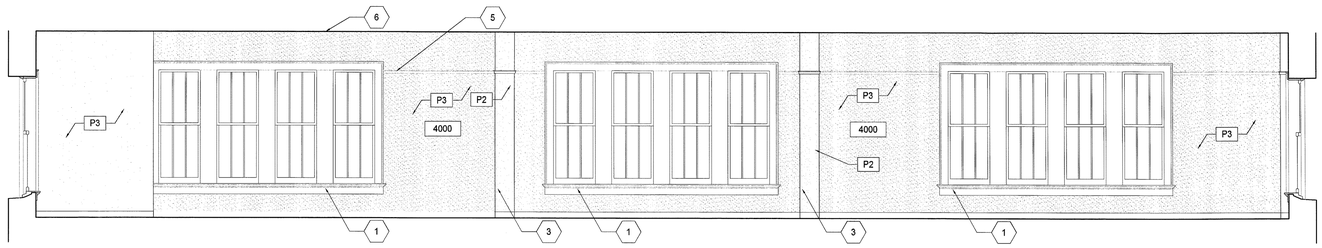
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INTERIOR ELEVATIONS & DETAILS LEVEL 3

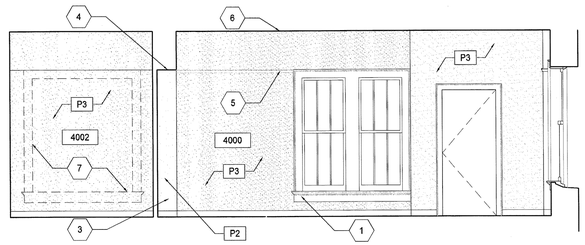
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A442

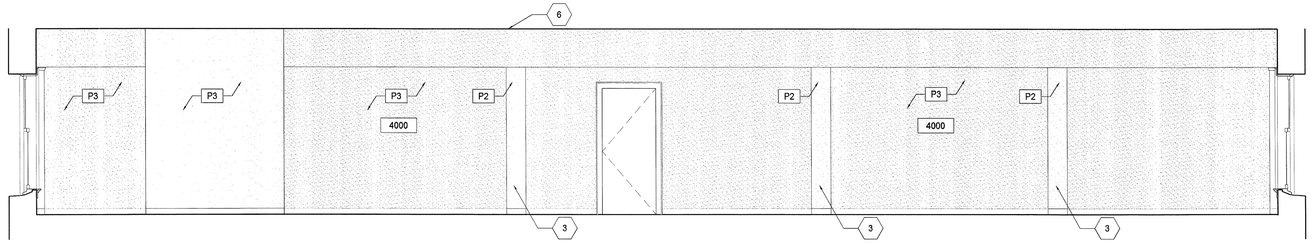
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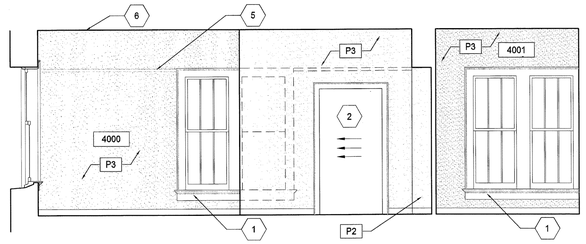
4 MEMORIAL CITY HALL 4000 PUBLIC LOBBY ELEVATION (NORTH)
A443
SCALE: 1/4" = 1'-0"



3 MEMORIAL CITY HALL 4000 PUBLIC LOBBY ELEVATION (WEST)
A443
SCALE: 1/4" = 1'-0"



2 MEMORIAL CITY HALL 4000 PUBLIC LOBBY ELEVATION (SOUTH)
A443
SCALE: 1/4" = 1'-0"



1 MEMORIAL CITY HALL 4000 PUBLIC LOBBY ELEVATION (EAST)
A443
SCALE: 1/4" = 1'-0"

LEVEL 4 LOBBY RENOVATION - KEY NOTES	
*SEE GENERAL NOTES SHEET A102, A140 & FINISH SCHEDULE FOR ADDITIONAL INFORMATION.	
**ALL FURR DOWN SIZES MUST BE COORDINATED WITH FINAL DUCT LAYOUTS AND SIZING AND CONFIRMED PRIOR TO CONSTRUCTION.	
**FOR INFORMATION ON ADD ALTERNATE No. 4: LEVEL 4 LOBBY SPACE / HCHM DISPLAY BUILD-OUT, SEE 6/A705 AND 2/A413.	
1	EXST. WINDOW TO REMAIN.
2	DOOR TO ELEVATOR.
3	EXST. COLUMN (TYP). PAINT "P1".
4	EXST. BEAM. PAINT "P1".
5	EXST. MOULDING. PAINT "P2".
6	EXST. PLASTER CEILING TO REMAIN (TYP). PAINT "P1".
7	INFILL EXST. WINDOW OPENING w/ SHAFT WALL SYSTEM - SEE PARTITION TYPE 5C / A600.

RENOVATIONS TO MEMORIAL CITY HALL

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HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD 77898 STATE OF TEXAS

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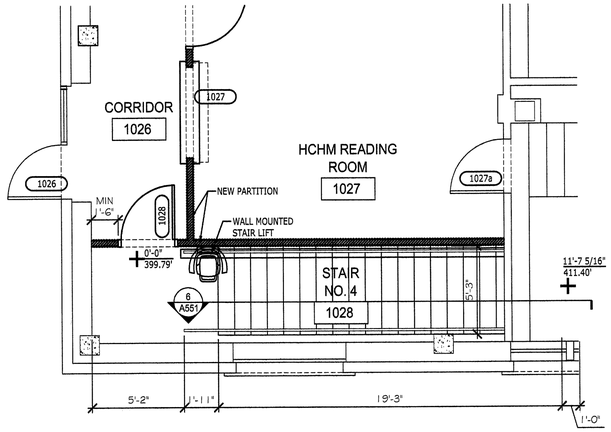
SHEET TITLE

INTERIOR ELEVATIONS & DETAILS LEVEL 4

SHEET NO.

A443

23 Jun 11 - 10:46am



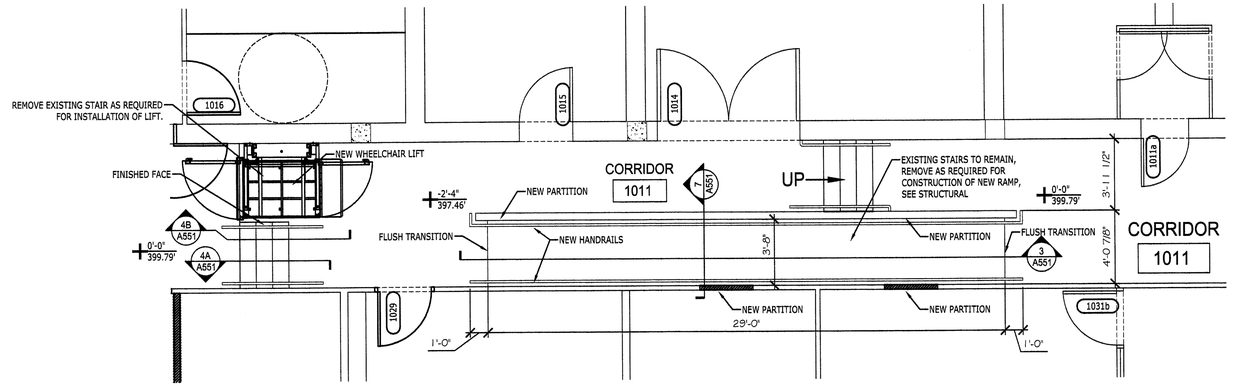
4 MEMORIAL CITY HALL - STAIR No. 4 1028

ALTERNATE NO. 1 & ALTERNATE NO. 3

NOTE:
VERTICAL ELEVATIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

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

0 2' 4' 8'



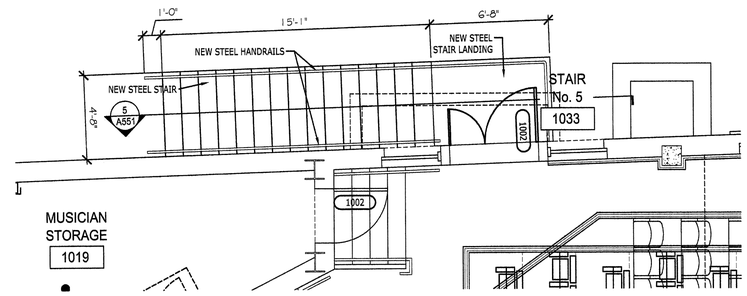
2 MEMORIAL CITY HALL - CORRIDOR 1011

ALTERNATE NO. 6

NOTE:
VERTICAL ELEVATIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

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

0 2' 4' 8'

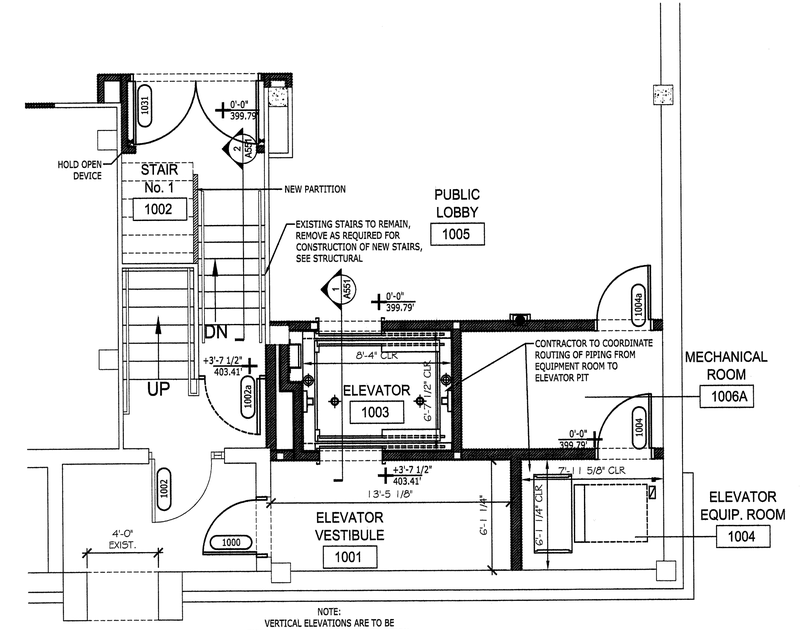


3 MEMORIAL CITY HALL - STAIR No. 5 1033

NOTE:
VERTICAL ELEVATIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

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

0 2' 4' 8'



NOTE:
VERTICAL ELEVATIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

1 MEMORIAL CITY HALL - STAIR NO. 1 1002/ELEVATOR 1003

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

0 2' 4' 8'

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

SEAL

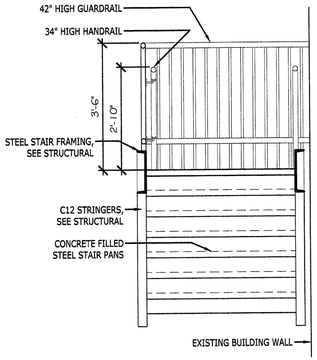
NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

CHECKED BY:
DRAWN BY:
PROJECT NO. 10-001

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SHEET TITLE
RAMP, STAIR & ELEVATOR DETAILS

SHEET NO.
A550



8 MEMORIAL CITY HALL - STAIR SECTION

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

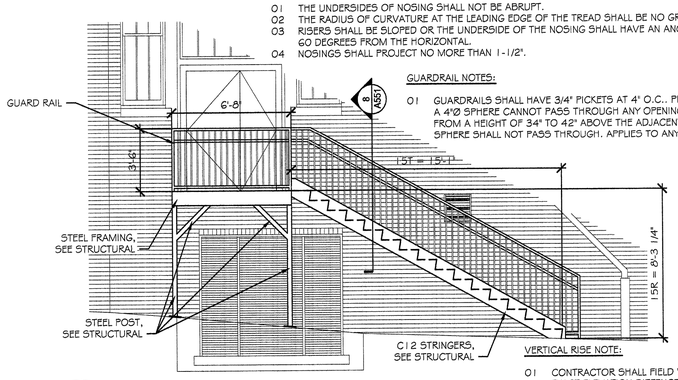
0 1' 2' 4'

RISER & TREAD NOTES:

01 THE UNDERSIDES OF NOSING SHALL NOT BE ABRUPT.
02 THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE NO GREATER THAN 1/2".
03 RISERS SHALL BE SLOPED OR THE UNDERSIDE OF THE NOSING SHALL HAVE AN ANGLE NOT LESS THAN 60 DEGREES FROM THE HORIZONTAL.
04 NOSINGS SHALL PROJECT NO MORE THAN 1-1/2".

GUARDRAIL NOTES:

01 GUARDRAILS SHALL HAVE 3/4" PICKETS AT 4" O.C., PICKET PATTERN IS SUCH THAT A 4Ø SPHERE CANNOT PASS THROUGH ANY OPENING UP TO A HEIGHT OF 34", FROM A HEIGHT OF 34" TO 42" ABOVE THE ADJACENT WALKING SURFACE, A 8"Ø SPHERE SHALL NOT PASS THROUGH. APPLIES TO ANY 42" GUARDRAIL



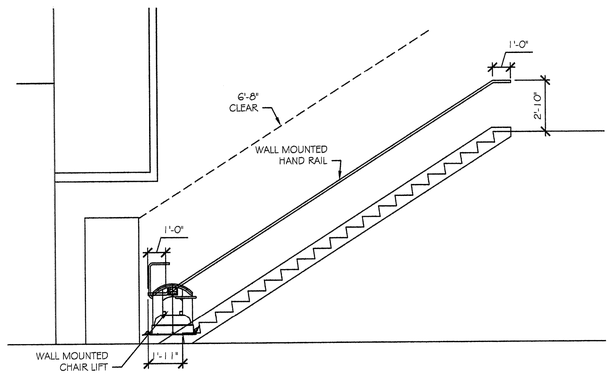
VERTICAL RISE NOTE:

01 CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATION DIFFENCE BETWEEN DOOR, WITH FLUSH TRANSITION, AND STAIR INTERSECTION WITH PROPOSED GRADE

8 MEMORIAL CITY HALL - WEST ELEVATION

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

0 2' 4' 8'

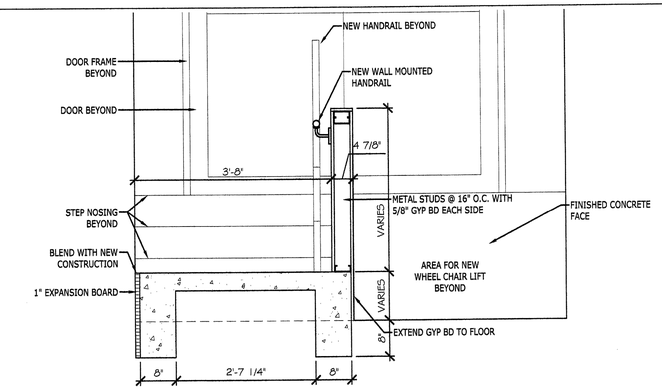


6 MEMORIAL CITY HALL - STAIR NO. 4 1028

ALTERNATE NO. 1 & ALTERNATE NO. 3

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

0 2' 4' 8'

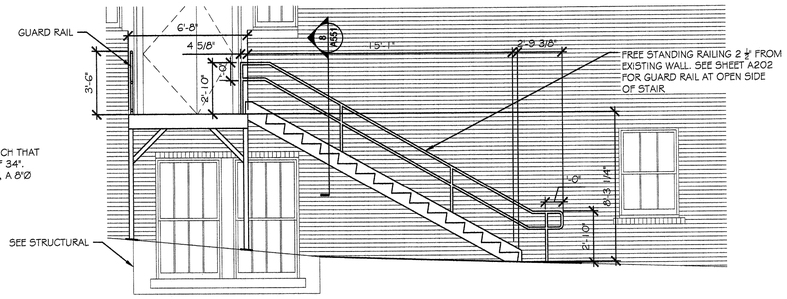


7 MEMORIAL CITY HALL - CORRIDOR 1011

ALTERNATE NO. 6

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

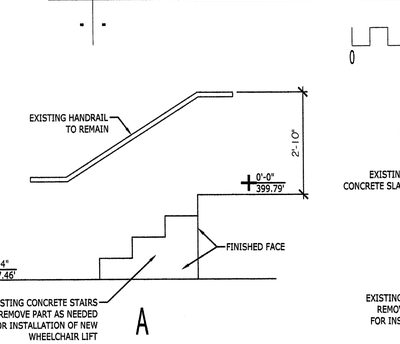
0 2' 4' 8'



5 MEMORIAL CITY HALL - WEST ELEVATION

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

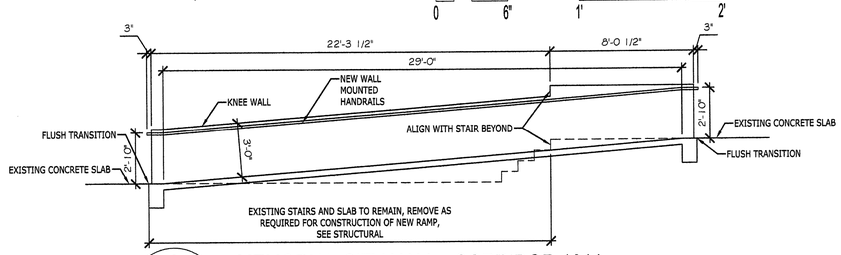
0 2' 4' 8'



4 MEMORIAL CITY HALL - CORRIDOR 1011

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

0 6" 1' 2'

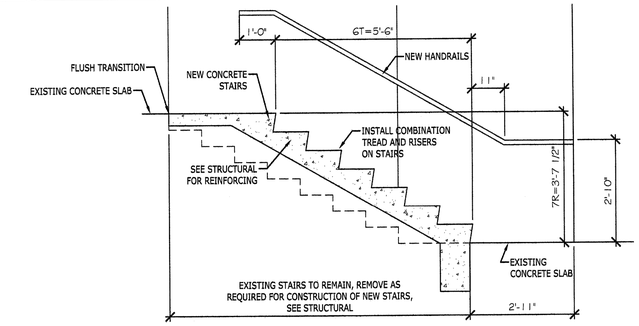


3 MEMORIAL CITY HALL - CORRIDOR 1011

ALTERNATE NO. 6

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

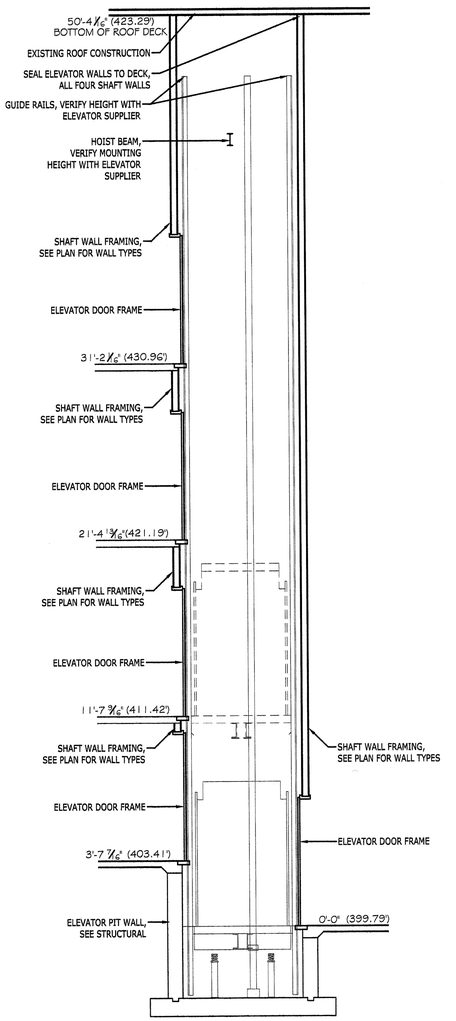
0 2' 4' 8'



2 MEMORIAL CITY HALL - STAIR NO. 1

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

0 6" 1' 2'



CONTRACTOR TO FIELD VERIFY FLOOR TO FLOOR ELEVATIONS

1 MEMORIAL CITY HALL - ELEVATOR SECTION

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

0 2' 4' 8'

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT 3-W-11 2201 STATE OF TEXAS

SEAL

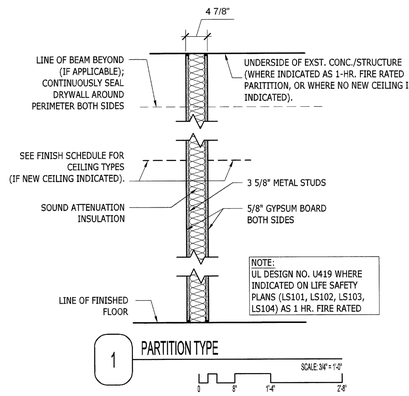
NO.	SUBMISSION	DATE
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CHECKED BY:
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PROJECT NO. 10-001

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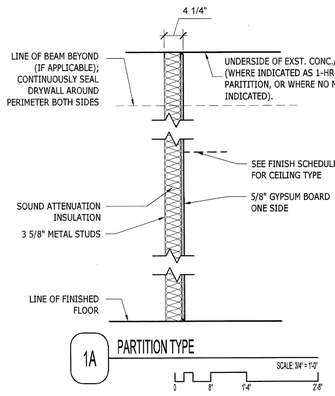
SHEET TITLE
EXT. ELEVATIONS

SHEET NO.
A551



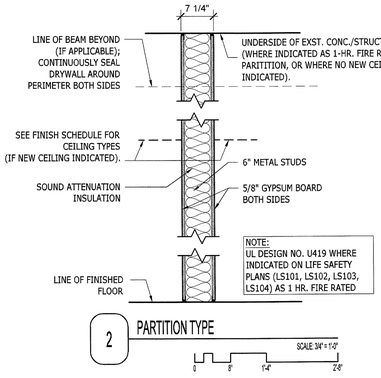
1 PARTITION TYPE

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



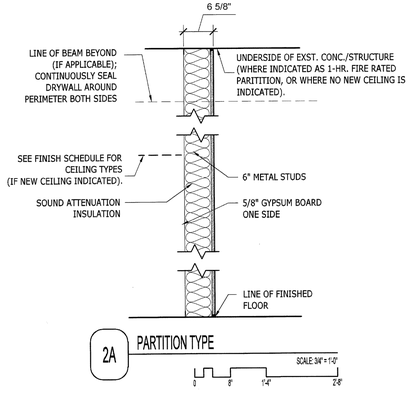
1A PARTITION TYPE

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



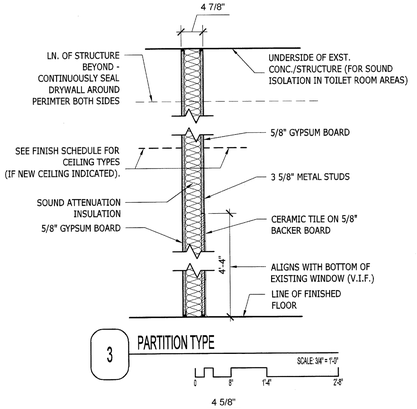
2 PARTITION TYPE

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



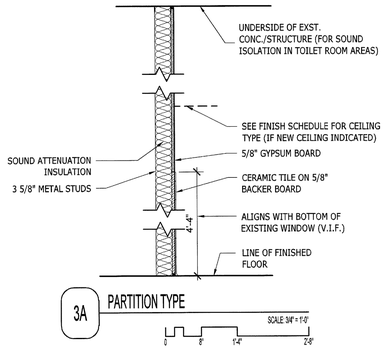
2A PARTITION TYPE

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



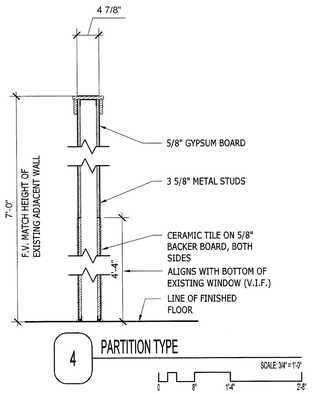
3 PARTITION TYPE

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



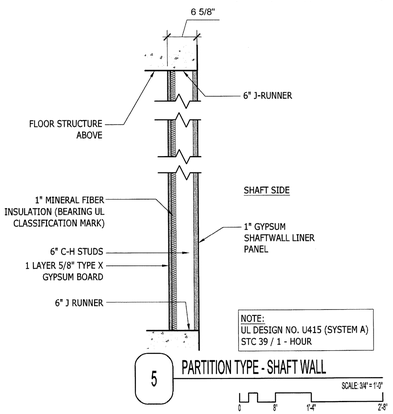
3A PARTITION TYPE

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



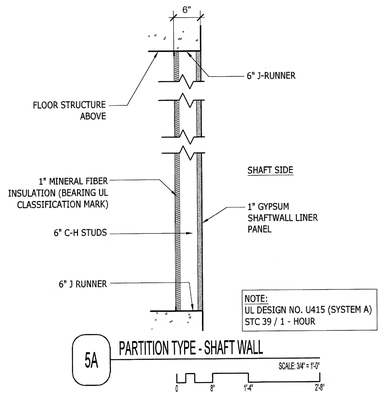
4 PARTITION TYPE

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



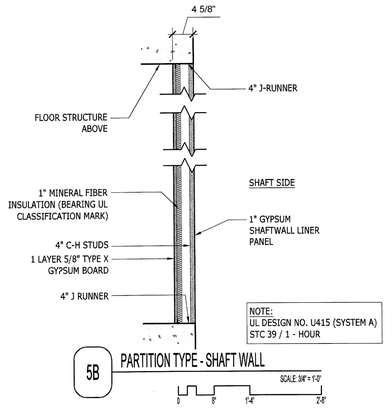
5 PARTITION TYPE - SHAFT WALL

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



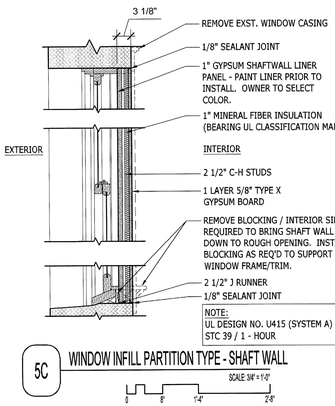
5A PARTITION TYPE - SHAFT WALL

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



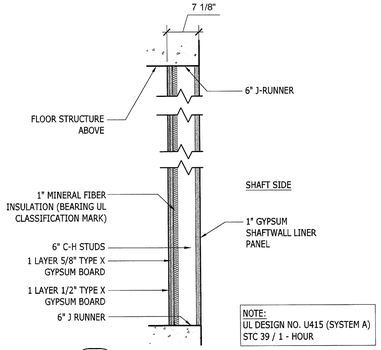
5B PARTITION TYPE - SHAFT WALL

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



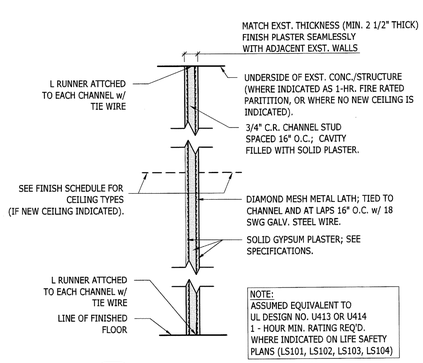
5C WINDOW INFILL PARTITION TYPE - SHAFT WALL

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



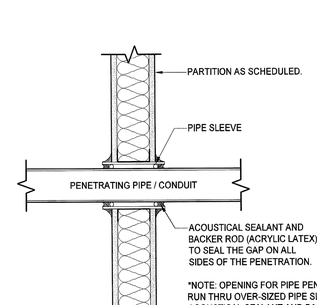
5D PARTITION TYPE - SHAFT WALL

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



6 EXISTING / INFILL PARTITION TYPE - PLASTER

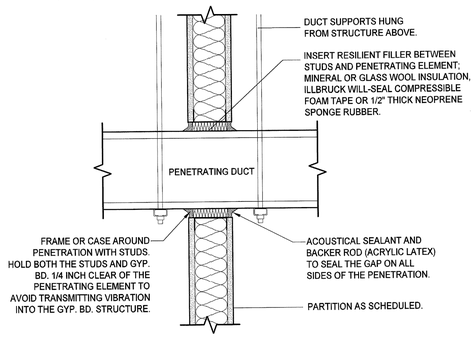
SCALE: 3/4" = 1'-0"



3 ACOUSTICAL DETAIL AROUND PENETRATING PIPE/CONDUIT

A600

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



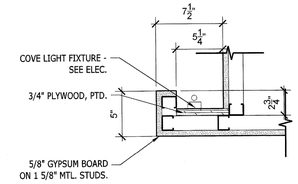
2 ACOUSTICAL DETAIL AROUND PENETRATING DUCT

A600

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

*NOTE: DUCTS ARE TYPICALLY HUNG PRIOR TO ERECTION OF GYPSUM BD. THIS MAKES IT EASIER TO FRAME AROUND THE DUCTWORK WITHOUT LETTING ANYTHING TOUCH. DUCTS SHALL NEITHER TOUCH NOR BEAR UPON THE WALL THEY PASS THROUGH.

**NOTE: PENETRATION AT CEILINGS SIMILAR.



1 TYPICAL LIGHT COVE DETAIL @ FURR DOWN

A600

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

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD 23868 STATE OF TEXAS

SEAL

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

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PROJECT NO.	10-001

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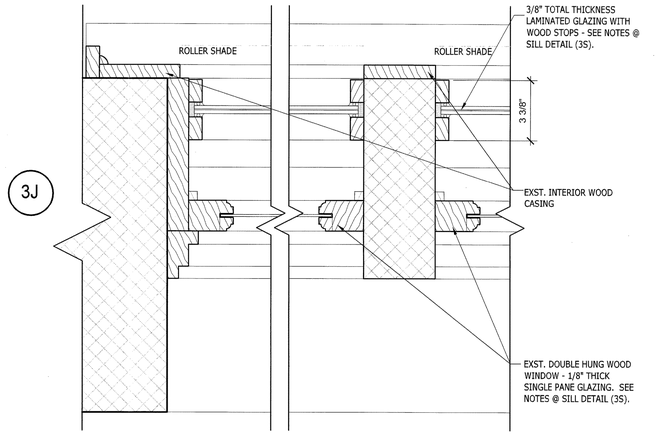
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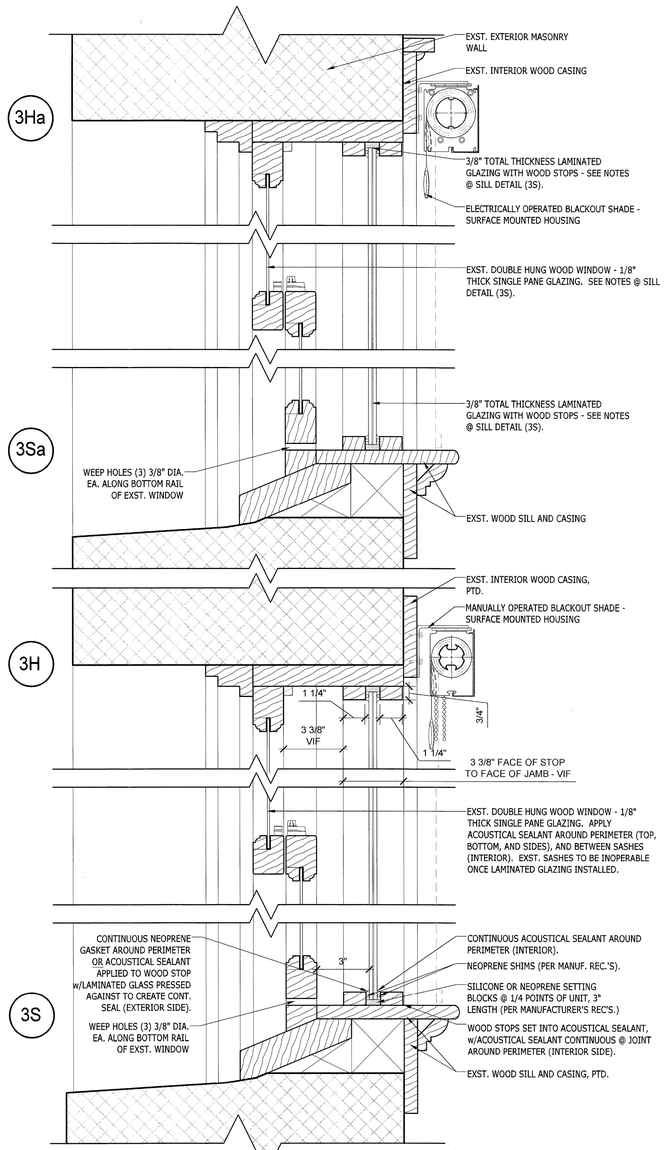
PARTITION TYPES & DETAILS

SHEET NO.

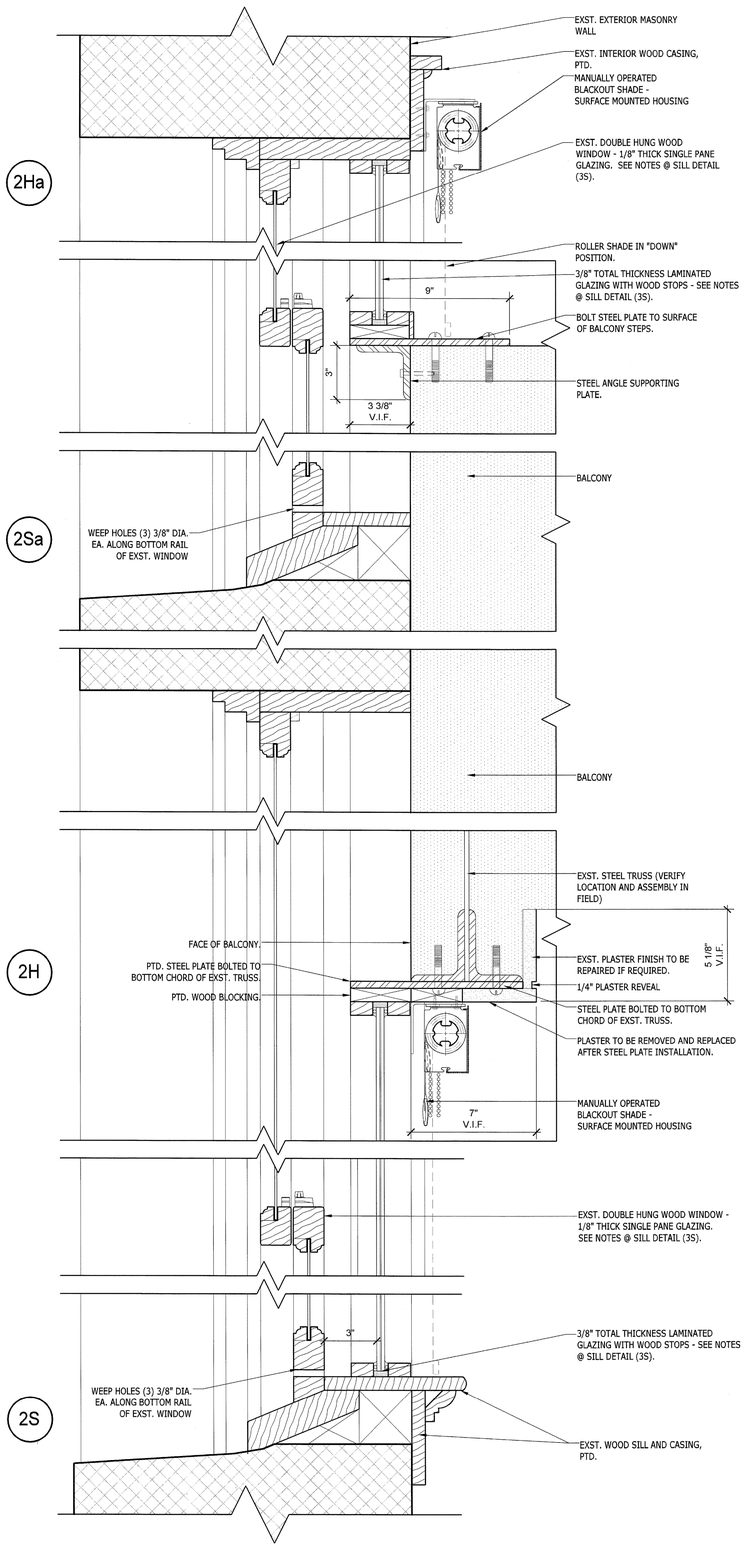
A600

23 Jun 11 - 10:53am

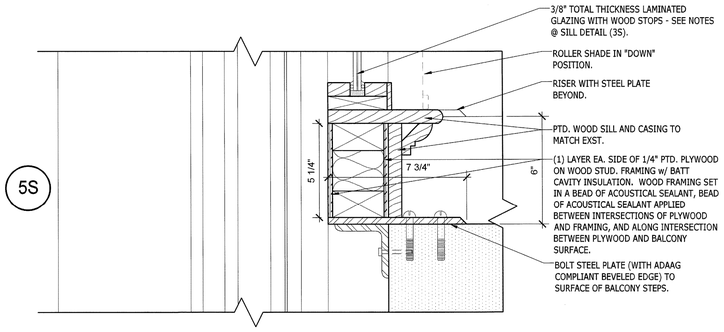




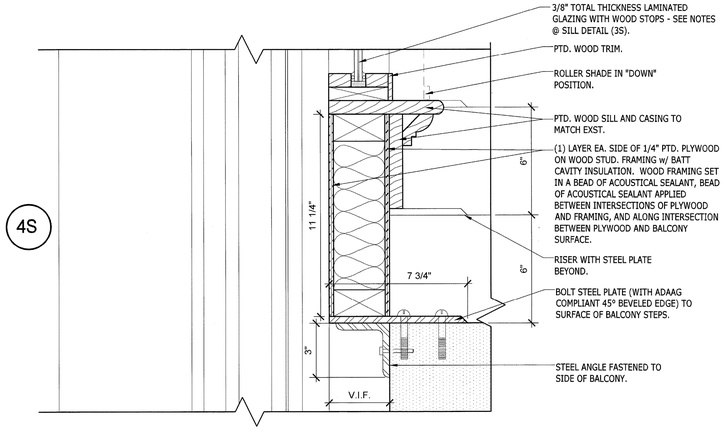
3 TYPICAL THEATRE WINDOW DETAILS — A601 — SCALE: 3" = 1'-0"



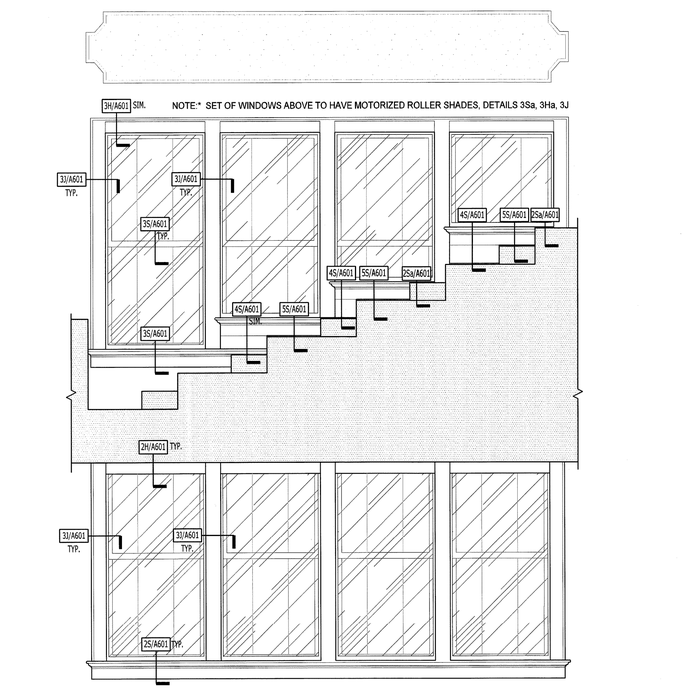
2 THEATRE BALCONY WINDOW HEAD / SILL DETAIL — A601 — SCALE: 3" = 1'-0"



5 THEATRE BALCONY WINDOW SILL DETAIL — A601 — SCALE: 3" = 1'-0"



4 THEATRE BALCONY WINDOW SILL DETAIL — A601 — SCALE: 3" = 1'-0"



1 THEATRE WINDOWS ELEVATION — A601 — SCALE: 1/2" = 1'-0"

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT — DARREL R. HOWARD — 11896 — STATE OF TEXAS

SEAL

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

CHECKED BY: PA
DRAWN BY: PA
PROJECT NO. 10-001

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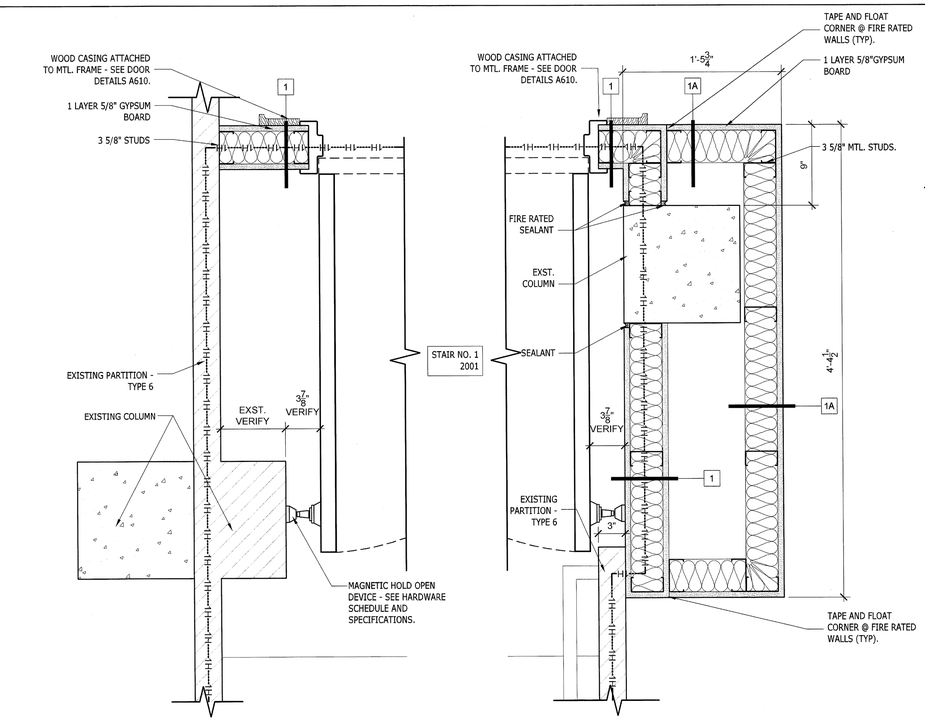
SHEET TITLE

WINDOW INSERT DETAILS THEATRE

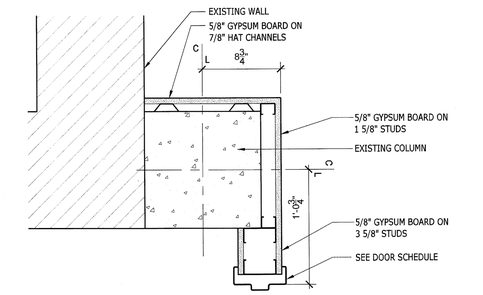
SHEET NO.

A601

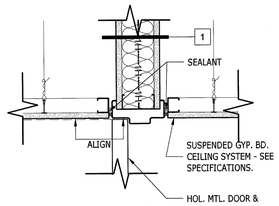
23 Jun 11 - 10:54am



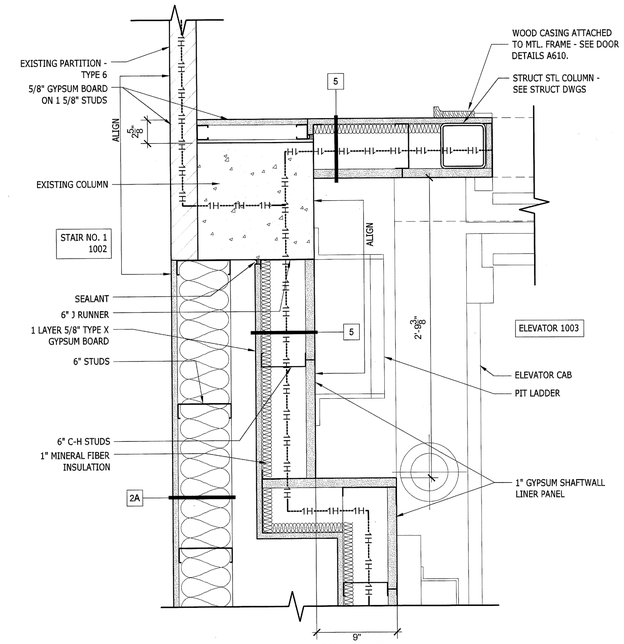
4 PLAN DETAIL @ STAIR (LEVEL 2)
A600
SCALE: 1 1/2" = 1'-0"

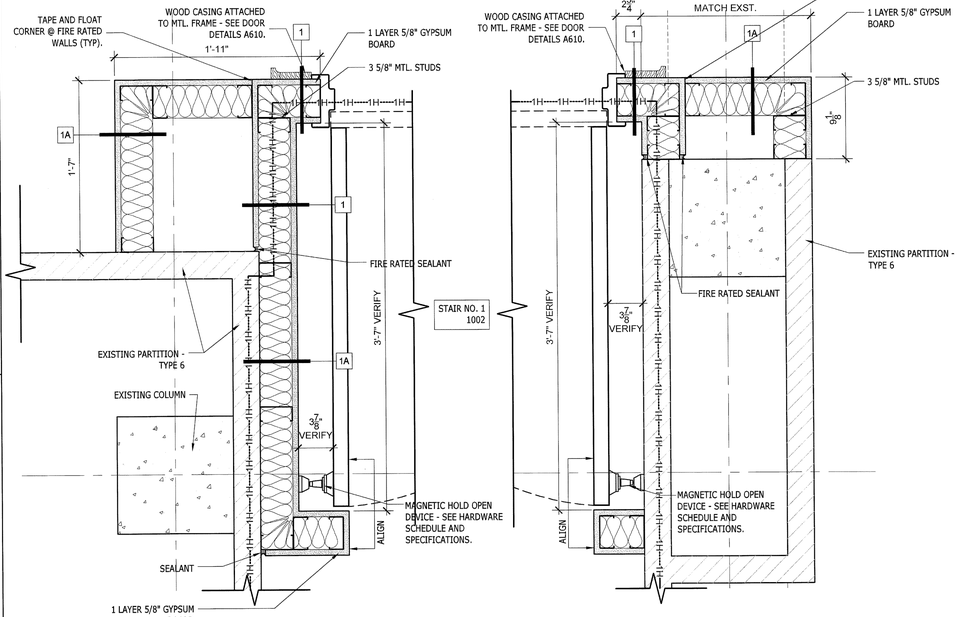


5 PLAN DETAIL @ COLUMN (LEVEL 1)
A602
SCALE: 1 1/2" = 1'-0"

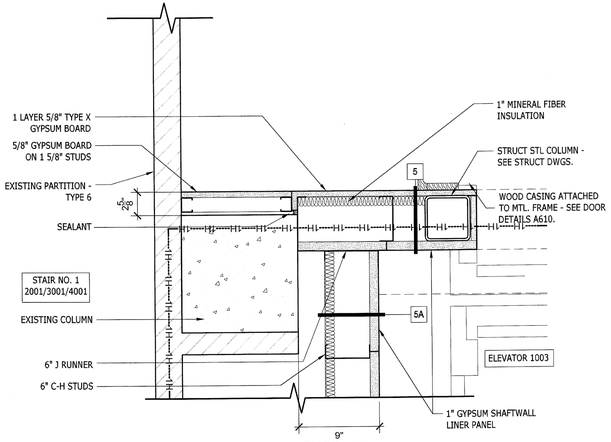


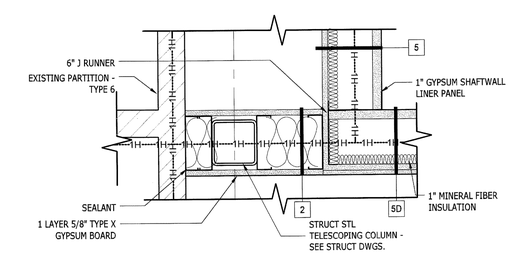
6 DETAIL @ CEILING - DOORS 1002b & 2001a
A602
SCALE: 1 1/2" = 1'-0"



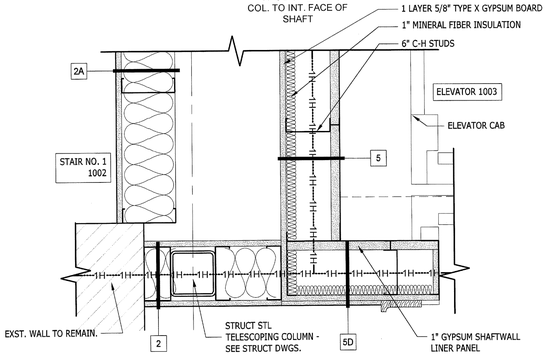


3 PLAN DETAIL @ STAIR (LEVEL 1)
A602
SCALE: 1 1/2" = 1'-0"





2 PLAN DETAIL @ ELEVATOR (LEVEL 2, 3, & 4)
A602
SCALE: 1 1/2" = 1'-0"



1 PLAN DETAIL @ ELEVATOR (LEVEL 1)
A602
SCALE: 1 1/2" = 1'-0"

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT CAREL R. HOWARD 11898 STATE OF TEXAS
SEAL

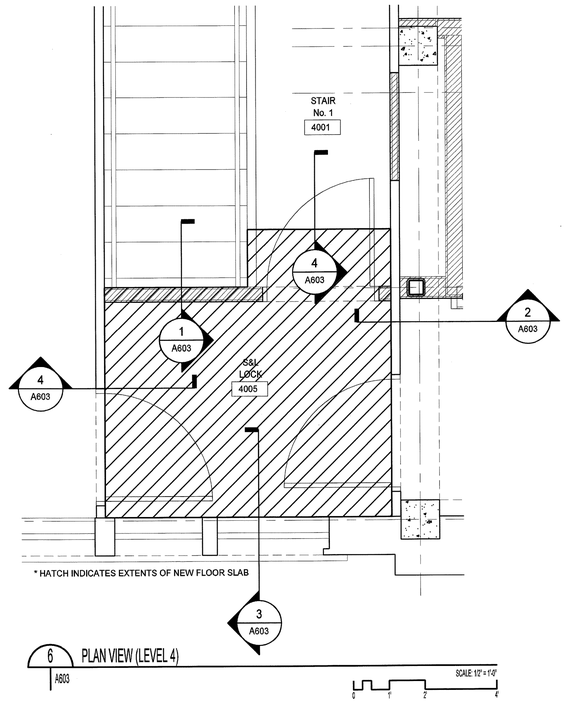
NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

CHECKED BY: PA
DRAWN BY: PA
PROJECT NO. 10-001
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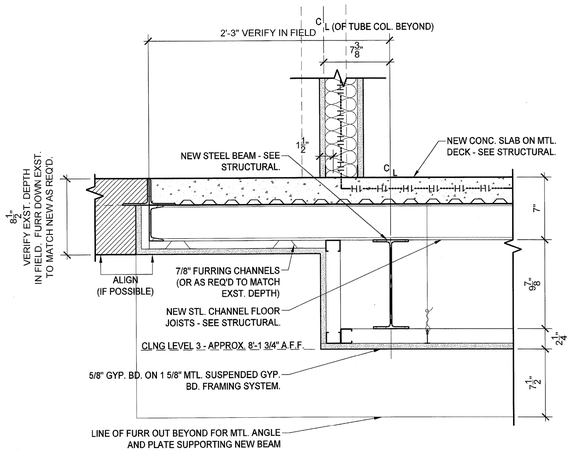
SHEET TITLE
PLAN DETAILS

SHEET NO.
A602

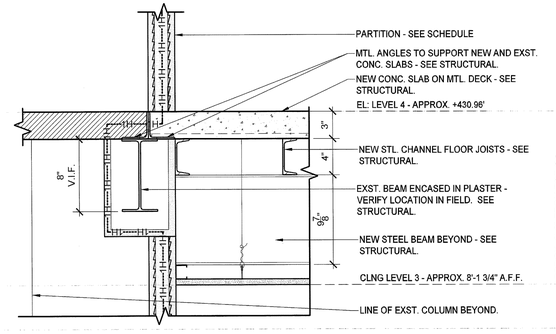
23 Jun 11 - 11:05am



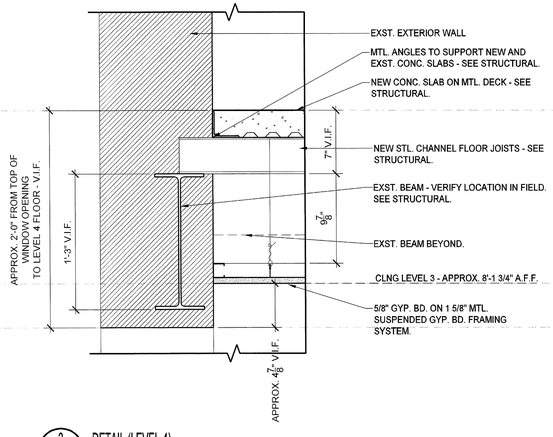
6 PLAN VIEW (LEVEL 4)
A603
SCALE: 1/2" = 1'-0"



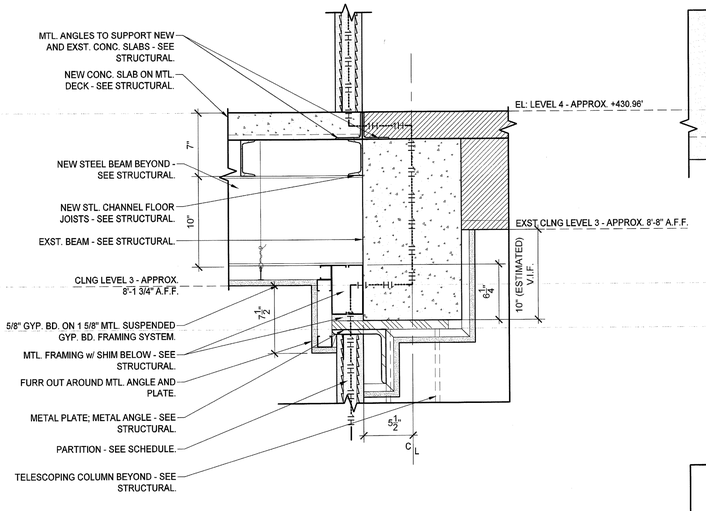
5 DETAIL (LEVEL 4)
A603
SCALE: 1 1/2" = 1'-0"



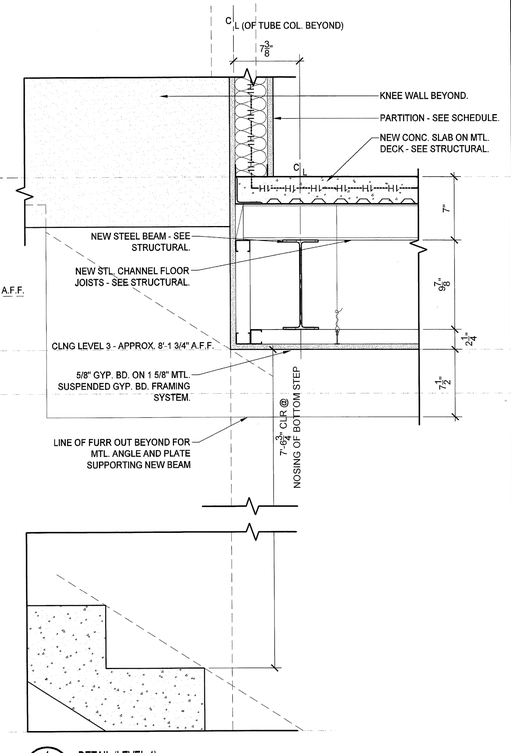
4 DETAIL (LEVEL 4)
A603
SCALE: 1 1/2" = 1'-0"



3 DETAIL (LEVEL 4)
A603
SCALE: 1 1/2" = 1'-0"



2 DETAIL (LEVEL 4)
A603
SCALE: 1 1/2" = 1'-0"



1 DETAIL (LEVEL 4)
A603
SCALE: 1 1/2" = 1'-0"

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT MICHAEL R. HOWARD 17886 STATE OF TEXAS

SEAL

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

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PROJECT NO.	10-001

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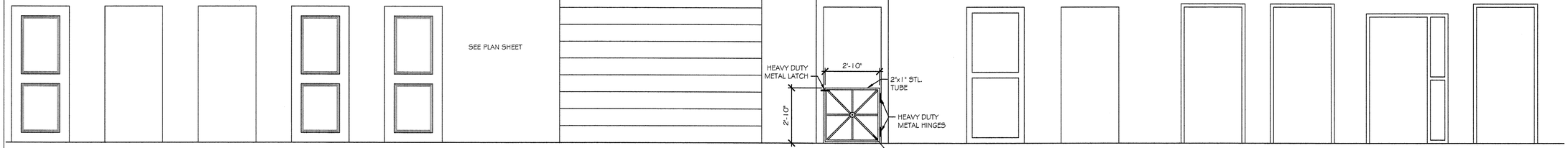
SHEET TITLE

LEVEL 4
FLOOR DETAILS

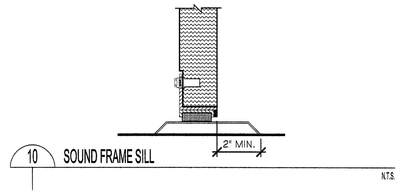
SHEET NO.

A603

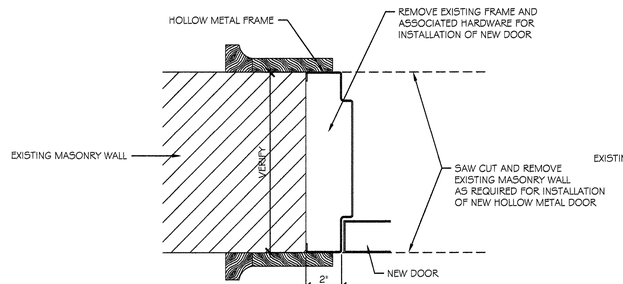
23 Jun 11 - 11:06am



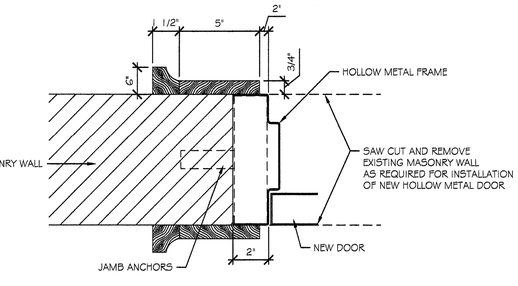
00 DOOR AND FRAME TYPES



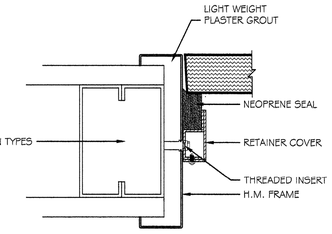
10 SOUND FRAME SILL N.T.S.



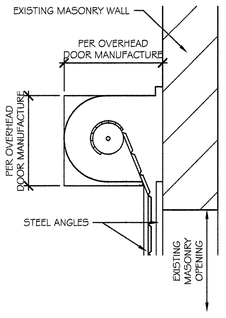
06 HEAD/JAMB SCALE: 3" = 1'-0"



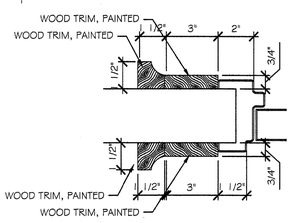
03 JAMB SCALE: 3" = 1'-0"



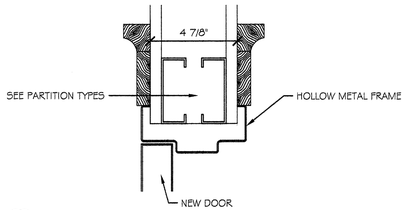
09 SOUND FRAME JAMB N.T.S.



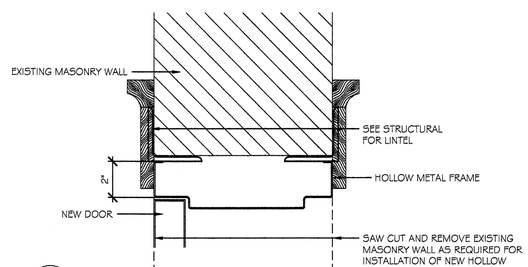
11 OVERHEAD DOOR, HEAD N.T.S.



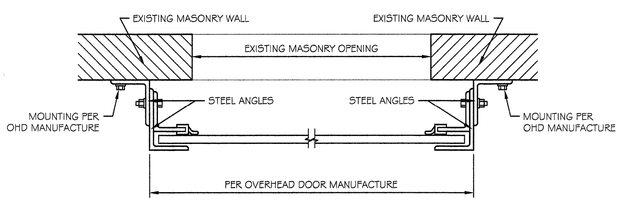
08 WOOD TRIM, TYPICAL SCALE: 3" = 1'-0"



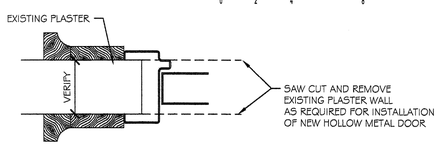
05 HEAD SCALE: 3" = 1'-0"



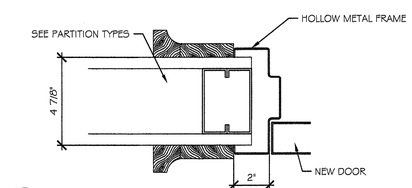
02 HEAD SCALE: 3" = 1'-0"



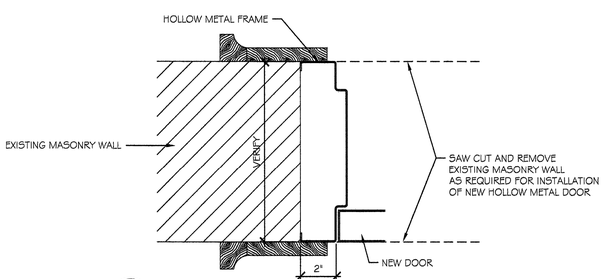
12 OVERHEAD DOOR, SILL N.T.S.



07 HEAD/JAMB SCALE: 3" = 1'-0"



04 JAMB SCALE: 3" = 1'-0"



01 JAMB SCALE: 3" = 1'-0"

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT 31 STATE OF TEXAS

SEAL

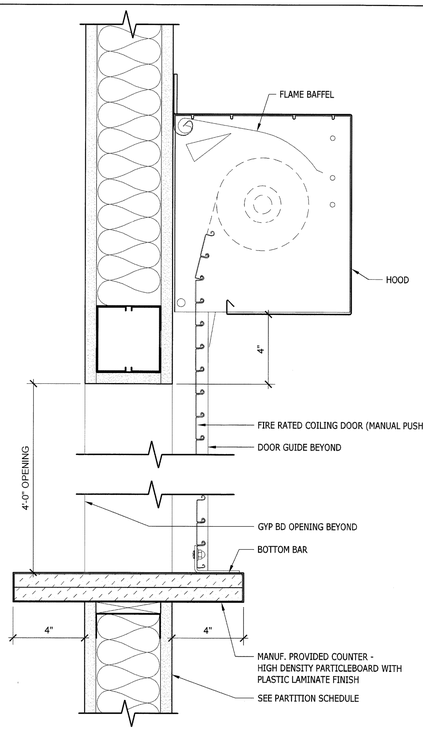
NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

CHECKED BY:
DRAWN BY:
PROJECT NO. 10-001

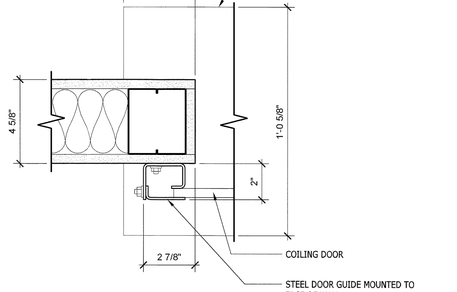
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SHEET TITLE
DOOR AND WINDOW DETAILS

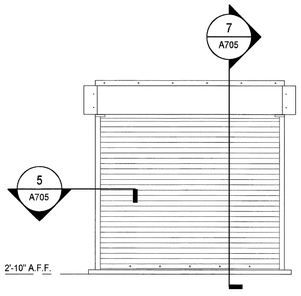
SHEET NO.
A610



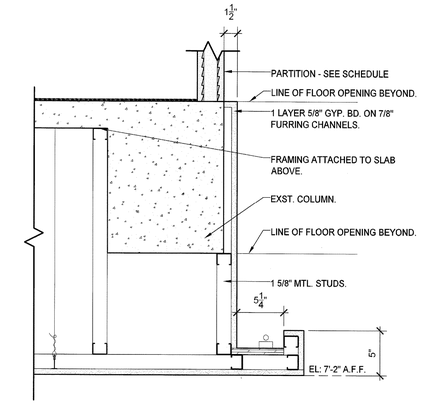
7 ALT No. 3 - COILING COUNTER DOOR - HEAD & SILL
A705 — SCALE: 3" = 1'-0"



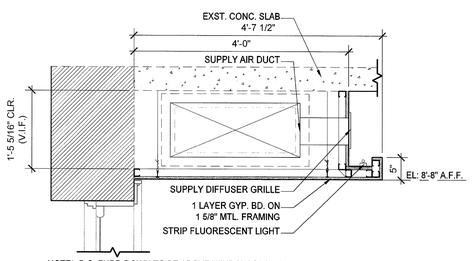
5 ALT. No. 3 - COILING COUNTER DOOR - JAMB
A705 — SCALE: 3" = 1'-0"



3 ALT. No. 3 - INTERIOR ELEVATION @ COILING DOOR
A705 — SCALE: 1/2" = 1'-0"

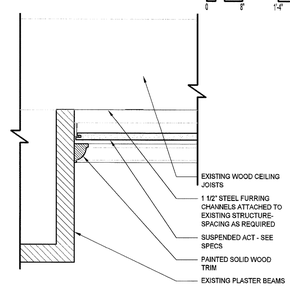


10 ALT No. 5 - DETAIL @ FLOOR OPENING
A705 — SCALE: 1 1/2" = 1'-0"

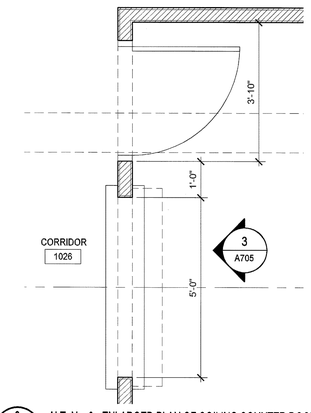


NOTE* B.O. FURR DOWN TO BE ABOVE WINDOW CASING - VERIFY EXACT ELEVATION IN FIELD, AND COORDINATE WITH MECH. DUCTWORK CLEAR SPACE REQUIREMENTS.

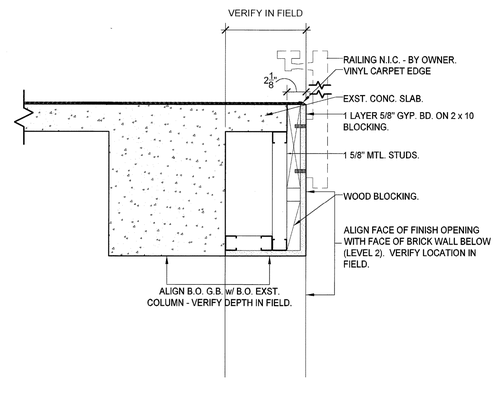
6 ALT No. 4 - LEVEL 4 BUILDOUT - FURR DOWN DETAIL
A705 — SCALE: 3/4" = 1'-0"



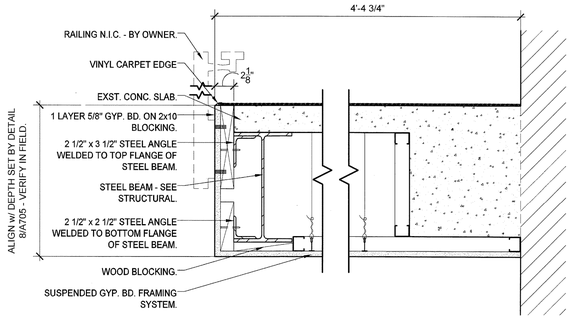
4 ALT No. 7 - NEW CEILING AT AUDITORIUM
A705 — SCALE: 1 1/2" = 1'-0"



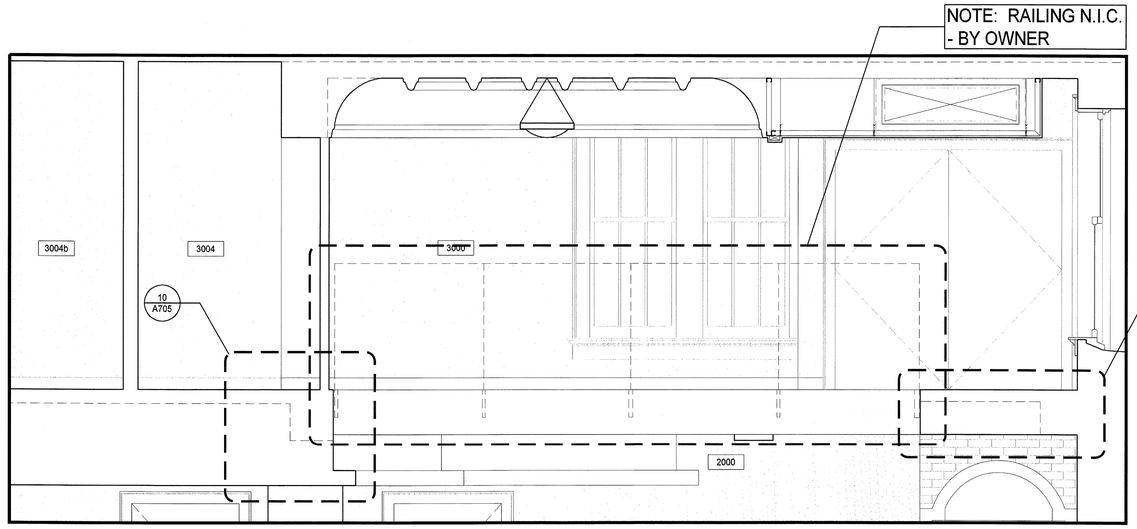
2 ALT. No. 3 - ENLARGED PLAN OF COILING COUNTER DOOR
A705 — SCALE: 1/2" = 1'-0"



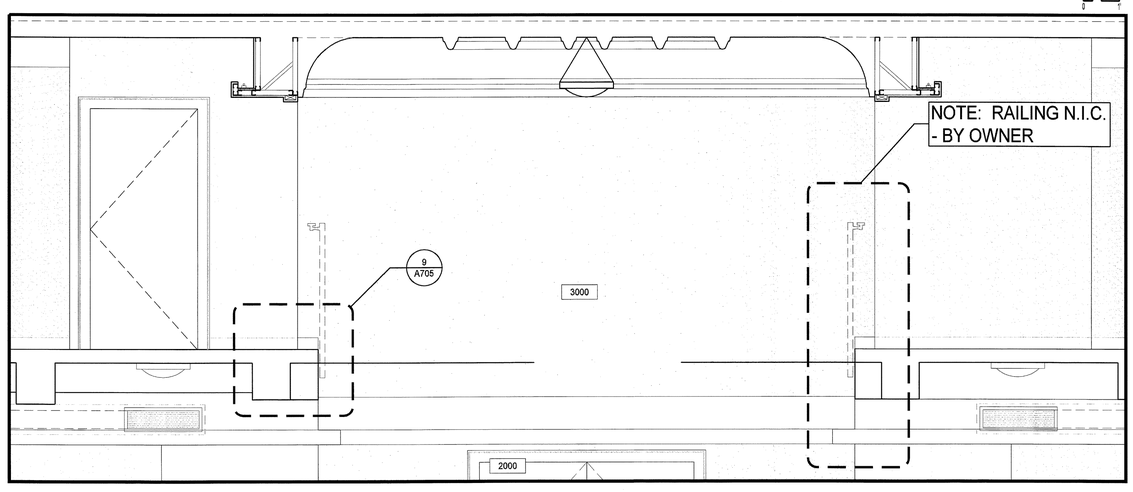
9 ALT No. 5 - DETAIL @ FLOOR OPENING
A705 — SCALE: 1 1/2" = 1'-0"



8 ALT No. 5 - DETAIL @ FLOOR OPENING
A705 — SCALE: 1 1/2" = 1'-0"



11 ALT. No. 5 - INTERIOR ELEVATION @ FLOOR OPENING
A705 — SCALE: 1/2" = 1'-0"



1 ALT. No. 5 - INTERIOR ELEVATION @ FLOOR OPENING
A705 — SCALE: 1/2" = 1'-0"

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

REGISTERED ARCHITECT — MICHAEL R. HOWARD — 22686 — STATE OF TEXAS

SEAL

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

CHECKED BY:	PA
DRAWN BY:	PA
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SHEET TITLE

ADD ALTERNATE
DETAILS
ALTERNATES No. 3, 4, & 5

SHEET NO.

A705

23 Jun 11 - 12:38pm

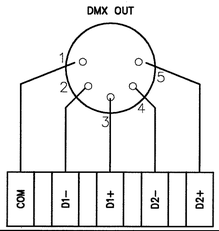
General:

1. The drawings indicate one routing method of the cabling pathways. Changes may be made to the pathway system to accommodate site conditions or simplify installation as long as adequate sizing is maintained, horizontal distance limitations are not exceeded, and the Architect approves the coordination drawings submitted for review.
2. Conduit to outlets shall provide a continuous pathway to the nearest cable tray or accessible ceiling.
3. Regardless of pathway type, all cabling shall be supported at a 5'–0" maximum interval.
4. Unless otherwise noted, cable pathway within rooms will run parallel to walls for additional 50 linear feet.
5. Maintain proper bonding and grounding of horizontal pathways in accordance with applicable electrical codes and standards, and ANSI/TIA/EIA–607
6. Locations of fixtures and equipment on these drawings are approximate only. See Architectural drawings for exact locations of fixtures where shown in Floor Plans, Reflected Ceiling Plans, Elevations and Details. Coordinate with all trades and layout of Architectural finishes.

Conduit:

1. Size all conduit in accordance with ANSI EIA/TIA–569A conduit capacity standards.
2. Unless otherwise noted all conduits are 3/4" C.
3. Conduit runs shall not contain 90° conduit bodies.
4. Uninterrupted, straight and level conduit runs shall not exceed 100 contiguous feet. For runs in excess of 100 feet, insert pull boxes at 100 foot intervals, maximum.
5. Maintain proper conduit bend radius in accordance with ANSI/EIA/TIA–569–A. For conduit with an internal diameter of 2" or less, maintain a bend radius of at least 6–times the internal conduit diameter. For conduit with an internal diameter greater than 2", maintain a bend radius of at least 10–times the internal conduit diameter.
6. If a conduit requires more than two 90° bends, then provide a pull box between sections with 2 bends or less. If a conduit run requires a reverse bend (between 100° and 180°, then insert a pull box at each bend having an angle from 100° and 180°.If a conduit run requires more than two 90° bends between pull boxes, then for each additional bend either derate the conduit capacity by 15% or use the next larger size conduit.
7. Do not consider a pull box as a bend.All conduits must run straight through a pull box with the bend either before or after the pull box.
8. Ream all conduit ends. Fit stubbed conduits with an insulated bushing to eliminate sharp edges that may damage cable during installation or service. Equip all conduit with "Mule Tape" or pull cord with a minimum test rating of 1250 lbs.
9. Backbone cable conduit for fiber optical cables shall be provided with inner–duct sized according to conduit trade size.
10. All penetrations of Architectural barriers shall be completely sealed at the conclusion of installation.Penetrations of fire–rated barriers shall be fire–stopped with UL and ASTM approved materials that will preserve the hour–rating of the barrier.Cable tray penetrations shall employ mechanical sealing systems that readily permit additions of media in future adds, moves and changes.Conduit penetrations shall use latex endothermic sealant around the outside perimeter and intumescent fire–stop pillows within.Membrane penetrations for outlet boxes, control boxes and other equipment that breaches one side of a barrier shall be protected by products and methods as published in UL category CLIV.

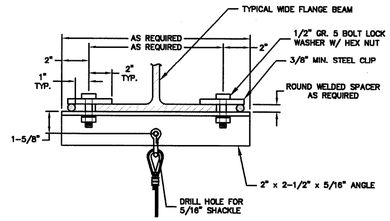
8 CONDUITS AND PATHWAY NOTES
SCALE: none



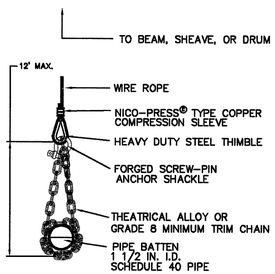
BELDEN #11872A CABLE				
PAIR	WIRE #	SIGNAL	COLOR	DMX512 Pin
2	1	D1+	WHT/ORG	DMX512 Pin 3
	2	D1–	ORG	DMX512 Pin 2
3	3	D2+	WHT/GRN	DMX512 Pin 5
	6	D2–	GREEN	DMX512 Pin 4
1	4	NOT USED	BLU	
	5	NOT USED	WHT/BLU	
4	7	COMMON	WHT/BRN	DMX512 Pin 1
	8	COMMON	BRN	DMX512 Pin 1

NOTE:
1. 4–TWISTED PAIR ISO/IEC 11801 CATEGORY 5 OR HIGHER CABLE WIRE PAIR NUMBERING AND COLOR IN ACCORDANCE WITH ANSI/TIA/EIA–568 SCHEME T568B.

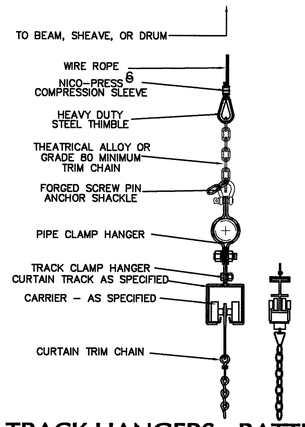
7 DMX WIRING SCHEME
SCALE: none



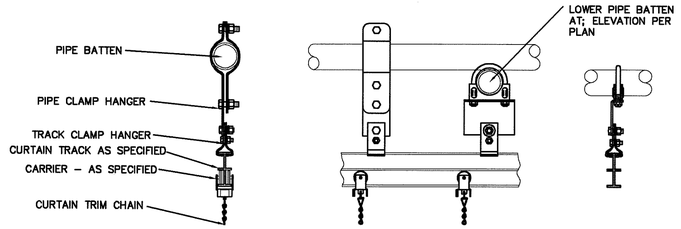
6 BEAM CLAMP
SCALE: none



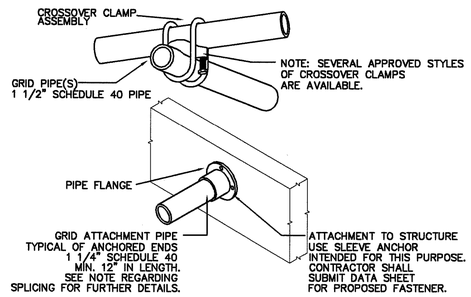
5 BATTEN TERMINATION
SCALE: none



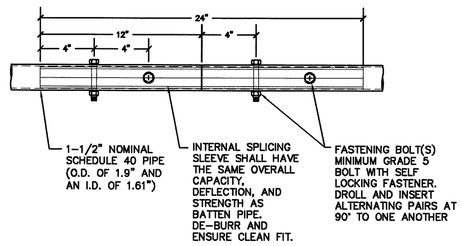
5 TRACK HANGERS - BATTENS
SCALE: none



4 CURTAIN TRACK HANGERS - FIXED GRID
NOT TO SCALE



3 PIPE ATTACHMENT METHODS - FIXED GRID
SCALE: none



2 PIPE SPLICE METHOD - FIXED GRID AND BATTENS
SCALE: none

General Installation Practice

Only Grade 8 rated fasteners, chain, and attachments may be used for lifting over the heads of the public or employees. Any use of lesser grades must be limited to assembly components, not used for lifting the loads involved in the theatrical rigging, or in the application of suspending drapes or curtains from battens installed to grade 8 standards. Otherwise throughout the installation, only SAE grade 5 rated American manufacture hardware and fasteners, shall be used.

Efficiency rating of the wire rope attachments shall achieve maximum rating, at 100 percent. Lesser methods using generic wire rope clips shall not be used. No aluminum compression fittings shall be used. Other compression fittings such as Nico–press fittings, where used, must be individually tested via gauge.

In addition all tools for crimping Nico–press fittings must be adjustable, and recently aligned and calibrated. All users of the tool must be trained in the following:

A Tool calibration and individual crimp proving via gauge
B Proper crimping practices and identification of incorrect methods
C Methods to achieve 100 per cent efficiency of attachment
D Documented measurement and inspection of finished work

Theatre rigging contractor shall provide training of the Owner, Owner's representatives, employees, or others designated by the Owner. Training can only be considered complete when signed, and dated documentation of the training session, instructor qualification, and retraceable paperwork path is on file by contractor and facility employer. Dated, signed, and regularly scheduled tool alignment and replacement schedule must also be included in the documentation.

Harnesses and fall arrest equipment are also required for all employees and must include training to the above standards also. Employer must provide all safety equipment, and all employee's personal safety equipment must not be allowed on the premises. Belt type harnesses are not approved.

General Rigging Standards

The following general rigging standards are minimum design standards and requirements unless modified by other sections in the drawings or specifications. All codes by governing bodies take precedence over design factors reflected in these drawings and specifications:

1. All materials used in this project will be new and unused. Refurbished or used equipment is prohibited.
2. All incidental rigging hardware including turnbuckles, clips, tracks, chains, etc., will be furnished plated or painted. Wire rope will be galvanized. Fasteners, chain, and other miscellaneous hardware will be either cadmium or zinc plated. Forged shackles or other items, having factory painted red pins, or matching individually numbered parts shall not be altered, thereby reducing their traceability via manufacturers logs.
3. Pipe battens will be constructed of new ASTM A53/A 1–1/2" nominal I.D. schedule 40 plain end steel pipe. Battens exceeding one standard pipe length will be joined using an internal splicing sleeve. Threaded couplers are not permitted. All battens will be finished in a corrosion resistant black paint.
4. Pipe batten splice sleeves will be a minimum of 24" in length with a minimum of 12" extending into each pipe batten and will have the same overall capacity, deflection, and strength as the pipe battens being joined. Sleeves will be machined to a diameter, which will create a snug fit within the pipe battens. Sleeves will maintain, as a minimum, the same wall thickness as the pipe battens being joined. Splicing sleeves will be attached to the pipe batten in at least two locations at right angles on each side of joint with the use of pins or bolts and welded. Deburr all exposed surfaces. Each end of the pipe batten will be capped with, soft rubber protective covers.
5. Pipe battens will be equipped with only grade 5 or greater hardware with self–locking fasteners.
6. All lift lines will be continuous lengths, free of splices. Wire rope shall have thimbles in all eyes. Minimum of 1/4" 7x19 wire rope shall be used as lifting lines. Where the lifted load requires larger diameter wire rope in order to maintain the safety factor, the larger diameter wire rope shall be provided.
7. All swaging will be performed and wire rope clips installed in accordance with manufacturers standards.
8. Fleet angle of all wire rope to sheave(s), idler(s), and or head–block(s) shall not exceed (1 1/2) one and one half degrees off center,
9. Trim chains will be constructed of speciality theatrical alloy or NACM grade 80, 1/4" or larger, sufficiently long enough to wrap one and one–half times around the pipe batten and any link along the return side of the chain for adjustment. Chain shall be rated by its manufacturer for the intended use.
10. A design factor of (8) eight to (1) one shall be observed for all items suspended above the heads of the public or employees in and around the performance space.

General Conditions

Follow all current OSHA, State, local codes, and practices established by ESTA and other organizations. These standards reflect common industry practices. While valid exceptions may arise, follow these practices, except as noted or specified.

WJHW provides design concept drawings only and while these sheets may show steel in particular shapes and sizes, only the project engineer if record shall size specific steel elements. All steel shown is for reference only and is intended to convey the design and layout of members supporting equipment specified.

1 RIGGING NOTES
SCALE: none

RENOVATIONS TO MEMORIAL CITY HALL
110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2556 F 903.595.5972

WJHW
Wrightson, Johnson, Haddon & Williams, Inc.
Consultants in Acoustics, Noise Control, and Electronic Systems
4901 Spring Valley Road Suite 113 Dallas, Texas 75244
12500 Network Blvd. Suite 402 San Antonio, Texas 78249
Voice 972.934.3700 Fax 972.934.3720

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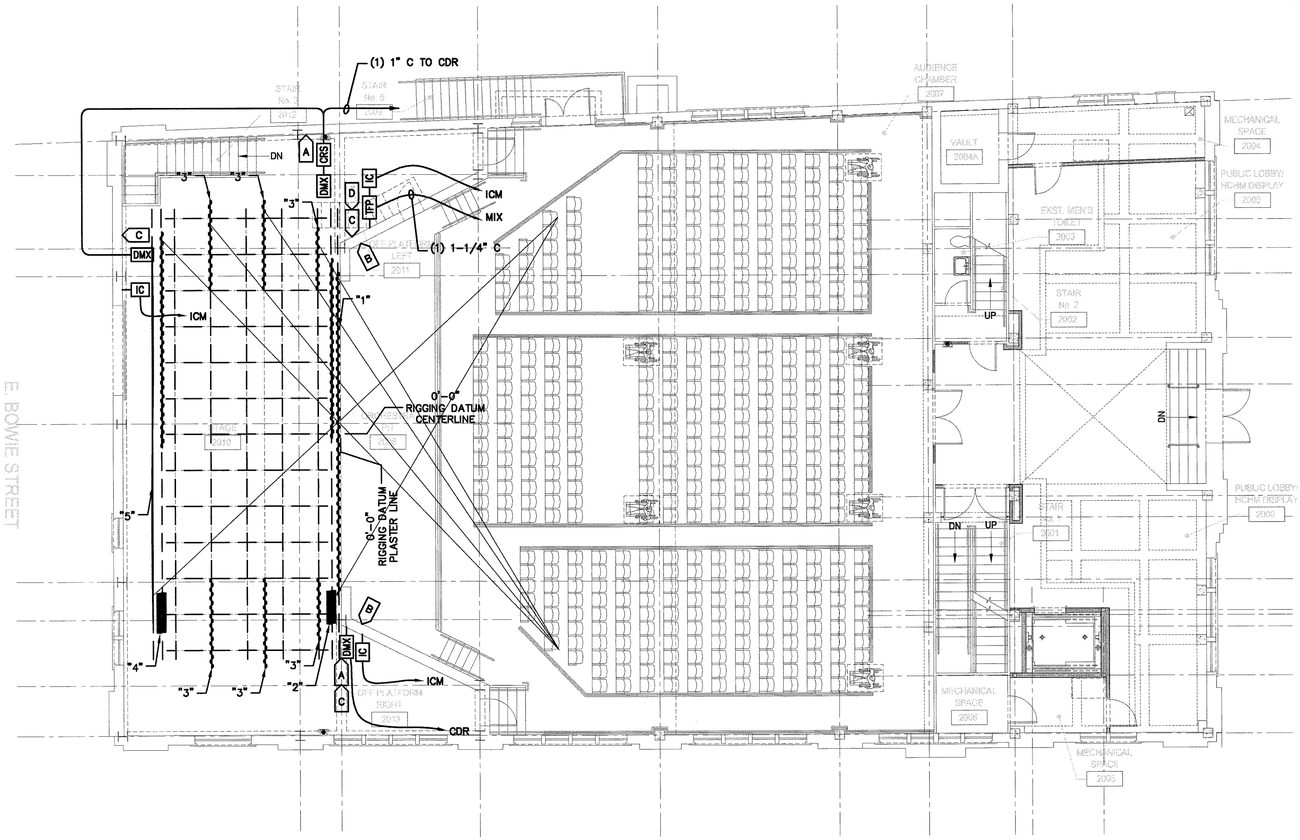
SHEET TITLE
THEATRE SYSTEMS
STANDARDS & NOTES

SHEET NO.
TS000

29 Jun 11 - 10:50am

DRAPERY SCHEDULE										
ID	DESCRIPTION	QUANTITY	SIZE	FABRIC TYPE	COLOR	WEIGHT	FULLLNESS	HEMS	BOTTOM	NOTE
1	VALANCE	1	5' - 6" H x 38' - 0" W	IFR VELOUR	REF. ARCHITECTURAL FINISH SCHEDULES	25 oz.	100pct.	--	CHAIN	PROVIDE DEAD-HUNG PIPE BATTEN
2	MAIN DRAPE	2	15' - 6" H x 20' - 0" W	" "	" " " "	"	"	18" @ LEADING EDGE	"	QUANTITY INCLUDES (1) PAIR; TRAVELER PULL SR
3	LEGS	6	16' - 0" H x 10' - 0" W	" "	BLACK	20 oz.	50pct.	12" @ LEADING EDGE	"	QUANTITY INCLUDES (3) PAIRS; 14FT. WALK-ALONG TRACKS
4	BLACKOUT TRAVELER	2	17' - 9" H x 24' - 0" W	" "	"	"	"	--	"	QUANTITY INCLUDES (1) PAIR; TRAVELER PULL SR
5	CYCLORAMA	1	18' - 0" H x 42' - 0" W	FR MUSLIN	BLEACHED WHITE	HEAVY	--	--	PIPE	PROVIDE DEAD-HUNG PIPE BATTEN
				ALL CONSTRUCTION SHALL BE AS IN THE SPECIFICATION UNLESS SCHEDULED OTHERWISE ABOVE						
				MAIN DRAPE SHALL FULLY CLEAR PROSCENIUM WHEN OPEN						
				PROVIDE 3/4" BOTTOM PIPE IN 10FT THREADED JOINTS W/ COUPLERS FOR CYC						
				ALL CURTAIN TRACK SHALL BE FACTORY FINISHED BLACK						
				FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION						

2 DRAPERY SCHEDULE
SCALE: none



1 LEVEL 2 PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. DATUM FOR STAGE RIGGING EQUIPMENT IS DEFINED AS (1) STAGE CENTERLINE DEFINED FROM THE MIDPOINT OF THE PROSCENIUM ARCH, (2) PLASTER-LINE DEFINED AS THE INTERIOR/STAGE-SIDE OF THE PROSCENIUM WALL, AND (3) THE FINISHED ELEVATION OF THE STAGE FLOOR.

B. REMOVE ALL EXISTING STAGE RIGGING EQUIPMENT AND DRAPERY. THEATRE RIGGING INSTALLER SHALL SHALL VERIFY AND COORDINATE ALL DEMOLITION REQUIREMENTS WITH THE GENERAL CONTRACTOR AND THE WORK OF OTHER TRADES.

C. COORDINATE CONTROL OF AUDITORIUM "HOUSE-LIGHTING" WITH OWNER PROVIDED THEATRICAL LIGHTING CONTROLS.

D. PROVIDE MINIMUM CONDUIT SIZE AT 3/4" UNLESS SPECIFICALLY NOTED OTHERWISE.

LEGEND

CRS — LIGHTING CONTROL CONSOLE DMX INPUT RECEPTACLE STATION; PROVIDE SURFACE MOUNT BACK-BOX AND CONDUIT FOR CONTROL HOME-RUN WIRING TO "CDR" AT UPPER LEVEL.

DMX — LIGHTING CONTROL DMX OUTPUT RECEPTACLE; PROVIDE SURFACE MOUNT BACK-BOX AND CONDUIT FOR CONTROL HOME-RUN WIRING TO "CDR" AT UPPER LEVEL.

TFP — AUDIO SYSTEM INPUT/OUTPUT RECEPTACLE. PROVIDE 10"X10"X4" DIECAST ALUMINUM BOX. LOCATE AT 18" AFF TO CENTER OF BOX.

IC — INTERCOM OUTPUT RECEPTACLE. PROVIDE 2-GANG DIECAST ALUMINUM BOX, 2-5/8" DEEP. LOCATE AT 18" AFF TO CENTER OF BOX.

SPECIFIC NOTES

1 — PROVIDE CONTROL WIRE CONDUIT FROM THIS LOCATION TO FUTURE ROLL-UP PROJECTION SCREEN LOCATION ABOVE.

ELECTRICAL NOTES

A — DEDICATED 120V - 20A RECEPTACLE FOR THEATRE LIGHTING CONTROL EQUIPMENT.

B — PROVIDE (2) TWO 120V, 20A DEDICATED CIRCUIT FOR OWNER PROVIDED AUDIO AND SPEAKER SYSTEM. TERMINATE TO WALL MOUNTED QUAD OUTLET.

C — 120/208V 3-PHASE 4-WIRE W/ GROUND RECEPTACLE AT 20A FOR OWNER PROVIDED STAGE LIGHTING DIMMER MODULES.

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

WJHW
Wrighton, Johnson, Haddon & Williams, Inc.
Consultants in Acoustics, Noise Control, and Electronic Systems
4801 Spring Valley Road Suite 113 Dallas, Texas 75244
12500 Network Blvd. Suite 402 San Antonio, Texas 78249
Voice 972.934.3700 Fax 972.934.3720

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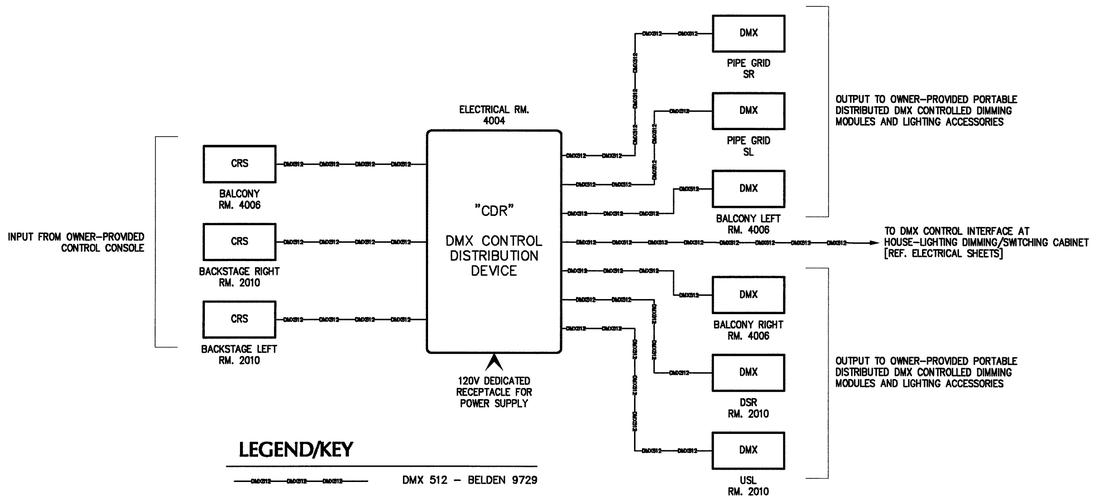
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SHEET TITLE
THEATRE SYSTEMS

LEVEL 2
PLAN

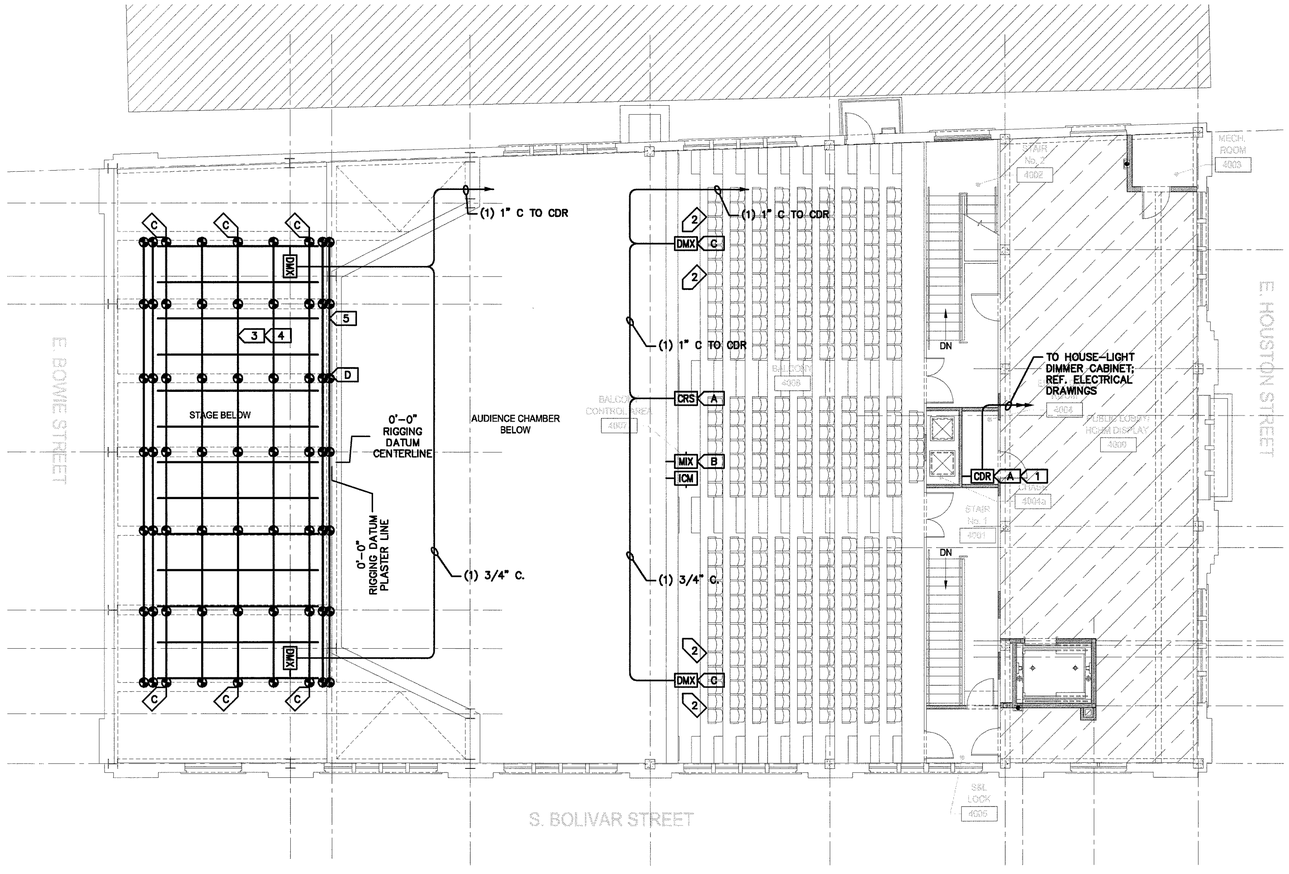
SHEET NO.
TS102

29 Jun 11 - 10:59am



2 LIGHTING CONTROL ONE-LINE DIAGRAM

SCALE: none



1 LEVEL 4 PLAN

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

GENERAL NOTES

A. DATUM FOR STAGE RIGGING EQUIPMENT IS DEFINED AS (1) STAGE CENTERLINE DEFINED FROM THE MIDPOINT OF THE PROSCENIUM ARCH, (2) PLASTER-LINE DEFINED AS THE INTERIOR/STAGE-SIDE OF THE PROSCENIUM WALL, AND (3) THE FINISHED ELEVATION OF THE STAGE FLOOR.

B. REMOVE ALL EXISTING STAGE RIGGING EQUIPMENT AND DRAPERY. THEATRE RIGGING INSTALLER SHALL SHALL VERIFY AND COORDINATE ALL DEMOLITION REQUIREMENTS WITH THE GENERAL CONTRACTOR AND THE WORK OF OTHER TRADES.

LEGEND

- CRS — LIGHTING CONTROL CONSOLE DMX INPUT RECEPTACLE STATION. PROVIDE CONDUIT AND SURFACE MOUNT BACK-BOX. MOUNT AT 18"AFF.
- DMX — LIGHTING CONTROL DMX OUTPUT RECEPTACLE. PROVIDE CONDUIT AND SURFACE MOUNT BACK-BOX; PROVIDE PIPE MOUNT MOUNTING KITS AT GRID LOCATIONS.
- CDR — LIGHTING CONTROL DMX DISTRIBUTION. MOUNT AT 18" AFF.
- MIX — AUDIO CONSOLE INPUT/OUTPUT RECEPTACLE. PROVIDE 10"X10"X4" DIECAST ALUMINUM BOX. LOCATE AT 18" AFF TO CENTER OF BOX.
- ICM — INTERCOM MASTER INPUT RECEPTACLE. PROVIDE 2-GANG DIECAST ALUMINUM BOX. LOCATE AT 18" AFF TO CENTER OF BOX.
- PIPE-GRID AND BATTEN SUSPENSION POINT TO OVER-STAGE STRUCTURE.

SPECIFIC NOTES

1. PROVIDE CONDUIT FOR CONTROL HOME-RUN WIRING TO ALL "DMX" AND "CRS" DEVICES AT BOTH LEVELS.
2. PROVIDE LOOSE WEIGHTED PIPE-BOOM BASES, SAND-BAGS AND 12 FT LENGTHS OF 1-1/2" NOMINAL I.D. SCHEDULE 40 BLACK PIPE FOR MOUNTING OF OWNER PROVIDED THEATRICAL LIGHTING FIXTURES.
3. PIPE GRID ASSEMBLY OF 1-1/2" NOMINAL I.D. SCHEDULE 40 PIPE SUSPENDED FROM OVERHEAD STRUCTURE. MAXIMUM LOAD NOT TO EXCEED 25 LB/FT. PROVIDE LATERAL ATTACHMENT TO BUILDING AS REQUIRED TO MINIMIZE SWAY.
4. INSTALL PORTABLE FLUORESCENT WORK-LIGHT FIXTURES (AS DESCRIBED IN THE SPECIFICATION) AT PIPE-GRID; FIXTURES CIRCUIT TO SWITCHED RECEPTACLES AS DESCRIBED ON THE E-SERIES SHEETS.
5. TYPICAL DRAPERY PIPE BATTEN; LOAD NOT TO EXCEED 25 LB/FT.

ELECTRICAL NOTES

- A — DEDICATED 120V - 20A RECEPTACLE FOR THEATRE LIGHTING CONTROL EQUIPMENT.
- B — PROVIDE (2) TWO 120VAC - 20A DEDICATED ISOLATED CIRCUITS FOR OWNER PROVIDED AUDIO EQUIPMENT; TERMINATE TO WALL MOUNTED DUPLEX OUTLET ADJACENT TO AV BOX LOCATION.
- C — 120/208V 3-PHASE 4-WIRE W/ GROUND RECEPTACLE AT 20A FOR OWNER PROVIDED STAGE LIGHTING DIMMER MODULES.
- D — DEDICATED 120V - 20A CIRCUIT FOR FUTURE ROLL-UP PROJECTION SCREEN.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2856 F 903.595.5972

WJHW
Wrighton, Johnson, Haddon & Williams, Inc.
Consultants in Acoustics, Noise Control, and Electronic Systems
4801 Spring Valley Road Suite 113 Dallas, Texas 75244
12500 Network Blvd, Suite 402 San Antonio, Texas 78249
Voice 972.934.3700 Fax 972.934.3729

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SHEET TITLE
THEATRE SYSTEMS

LEVEL 4
PLAN

SHEET NO.
TS104

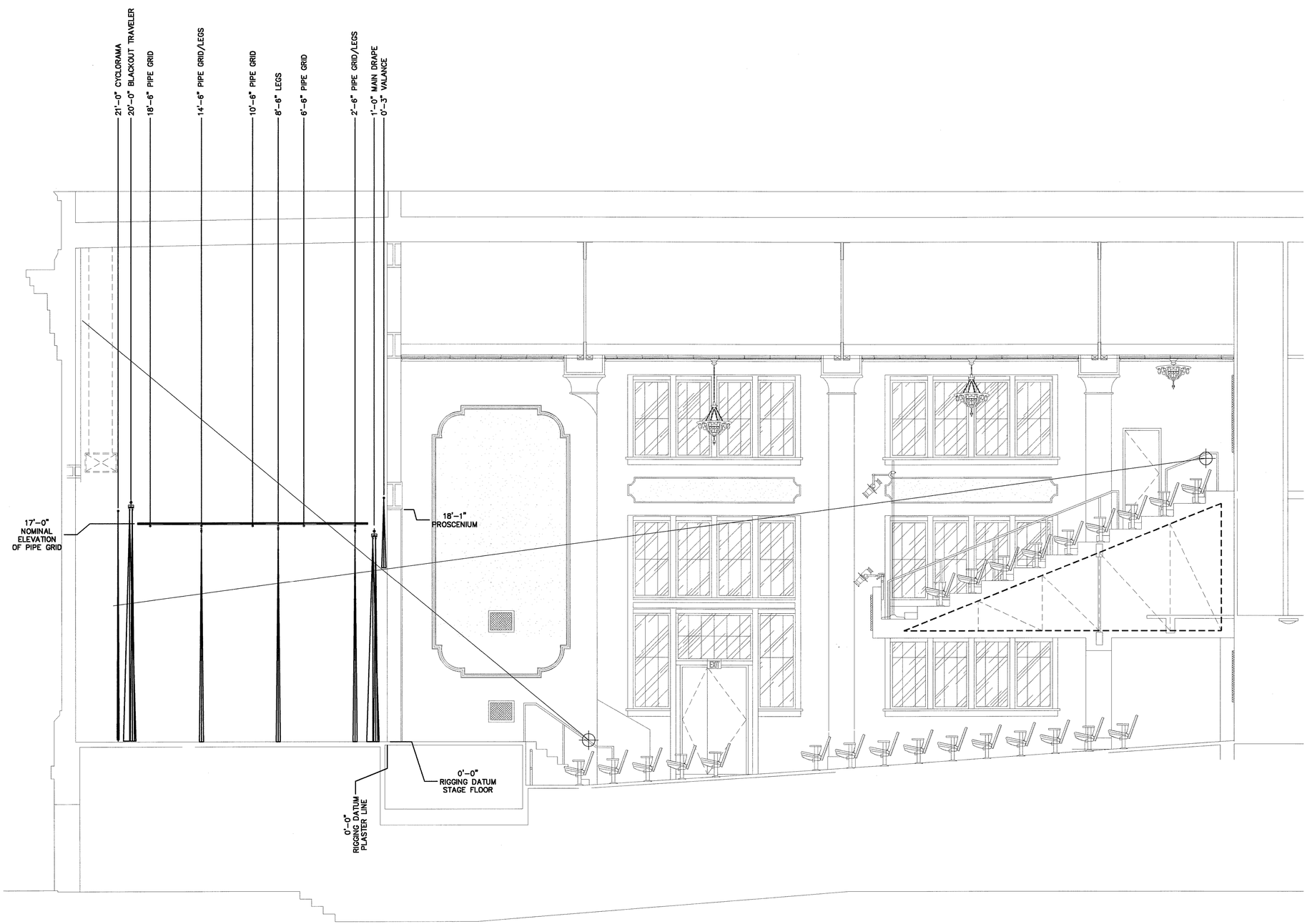
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GENERAL NOTES

A. DATUM FOR STAGE RIGGING EQUIPMENT IS DEFINED AS (1) STAGE CENTERLINE DEFINED FROM THE MIDPOINT OF THE PROSCENIUM ARCH, (2) PLASTER–LINE DEFINED AS THE INTERIOR/STAGE–SIDE OF THE PROSCENIUM WALL, AND (3) THE FINISHED ELEVATION OF THE STAGE FLOOR.

B. REMOVE ALL EXISTING STAGE RIGGING EQUIPMENT AND DRAPERY. THEATRE RIGGING INSTALLER SHALL SHALL VERIFY AND COORDINATE ALL DEMOLITION REQUIREMENTS WITH THE GENERAL CONTRACTOR AND THE WORK OF OTHER TRADES.

C. PIPE GRID AND DRAPERY SHALL BE SUSPENDED FROM OVER–STAGE STRUCTURE. PROVIDE SUPPLEMENTAL STRUT AS REQUIRED TO LOCATE EQUIPMENT AS LOCATED ON PLAN VIEWS.



1 LONGITUDINAL SECTION AT CENTERLINE

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

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

WJHW
Wrighton, Johnson, Haddon & Williams, Inc.
Consultants in Acoustics, Noise Control, and Electronic Systems
4801 Spring Valley Road Suite 113 Dallas, Texas 75244
12503 Network Blvd. Suite 402 San Antonio, Texas 78249
Voice 972.934.3700 Fax 972.934.3770

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SHEET TITLE
THEATRE SYSTEMS

LONGITUDINAL SECTION AT CENTERLINE

SHEET NO.
TS301

29 Jun 11 - 10:50am

STRUCTURAL NOTES

DIETZ ENGINEERS, LLC
Consulting Engineers
212 Old Grande Blvd., Suite C124
Tyler, Texas 75703
Office (903) 581-2551 Fax (903) 581-2552
Firm Registration No. F-12575

CODES

1. BUILDING CODE: 2006 INTERNATIONAL BUILDING CODE
2. STRUCTURAL CONCRETE: BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE, ACI 318, LATEST EDITION.
3. STRUCTURAL STEEL: MANUAL OF STEEL CONSTRUCTION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, 13th EDITION.

DESIGN LOADS

1. DESIGN CODE LOADS:

MECHANICAL	AS SHOWN
FLOOR	100 PSF
ROOF	20 PSF
BASIC WIND SPEED	90 MPH
EXPOSURE:	"B"
IMPORTANCE FACTOR:	1.15
WIND	
SEISMIC	

COORDINATION

1. VERIFY ALL CONDITIONS AT THE JOBSITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
2. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL DRAWINGS TO CONFIRM ALL REQUIREMENTS OF THE WORK. REPORT ANY CONFLICT/DISCREPANCY BETWEEN THE DISCIPLINES TO THE ARCHITECT PRIOR TO FABRICATING OR INSTALLING STRUCTURAL ELEMENTS.
3. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT AS REQUIRED TO PROTECT EXISTING BUILDING, CURBS AND PARKING SURFACES DURING CONSTRUCTION WHERE ANY EXISTING CONSTRUCTION IS DAMAGED DURING CONSTRUCTION, IT SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.

FOUNDATIONS

1. FOUNDATION DESIGN IS BASED UPON THE FOLLOWING DESIGN PARAMETERS:
   ASSUMED ALLOWABLE BEARING PRESSURE:
   SHALLOW FOOTINGS---------- 2500 PSF AT A DEPTH OF 7.0 FEET BELOW BASEMENT LEVEL (BASED UPON EXISTING PLANS).
2. WATER SHALL NOT BE ALLOWED TO COLLECT NEAR FOUNDATION PAD OF THE BUILDING EITHER DURING OR AFTER CONSTRUCTION. WATER SHALL NOT BE ALLOWED TO POND IN THE UNDERCUT OR EXCAVATED AREAS UNDER THE BUILDING. PROPER DRAINAGE SHALL BE COORDINATED WITH THE GEOTECHNICAL ENGINEER DURING SUBGRADE PREPARATION.
3. FOOTING EXCAVATIONS SHALL BE DRY AND CLEAN WHEN CONCRETE IS PLACED.

CAST-IN-PLACE CONCRETE

1. CAST-IN-PLACE CONCRETE MIX CRITERIA SHALL BE AS SHOWN BELOW.
2. CAST-IN-PLACE CONCRETE SHALL STRICTLY ADHERE TO THE PROPORTIONS ESTABLISHED IN DESIGN MIXES, CONSISTING OF THE ACTUAL MATERIALS TO BE USED DURING CONSTRUCTION. DESIGN MIXES SHALL BE PREPARED AND SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO USE. MIX DESIGN PROPORTIONS SHALL BE IN ACCORDANCE WITH ACI 211/301/318. REFER TO SCHEDULE BELOW FOR MIX CRITERIA. USE OF CALCIUM CHLORIDE IS NOT PERMITTED.
3. REINFORCED CONCRETE SHALL CONFORM TO 2005 ACI BUILDING CODE UNLESS OTHERWISE NOTED.
4. REINFORCING BARS SHALL BE ASTM A 615 GRADE 60, TIES AND STIRRUPS SHALL BE GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 AND SHALL BE SUPPLIED IN FLAT SHEETS. LAP FABRIC 2 MESHES AT SPLICES.
5. PROVIDE CORNER BARS IN CONCRETE STEM WALLS OR GRADE BEAMS AS DETAILED.
6. UTILIZE CONTINUOS STOCK LENGTH OF 40'-0" WHENEVER POSSIBLE. ALL REINFORCING BARS SHALL BE LAPPED 48 BAR DIAMETERS (2'-0" MINIMUM) AT SPLICES UNLESS NOTED OTHERWISE ON PLANS OR DETAILS. DEVIATIONS IN SPLICE LOCATIONS AND LENGHTS ARE NOT ALLOWED UNLESS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
7. CONCRETE PROTECTION FOR REINFORCING BARS:
   DEPOSITED AGAINST EARTH ---------- 3"
   EXPOSED TO WEATHER OR EARTH ----- 1 1/2"
   (AFTER FORMS REMOVED)
8. CONTRACTOR SHALL VERIFY THE PRESENCE, LOCATION, SIZES, AND CORRECTNESS OF ALL OPENINGS, DEPRESSIONS, AND EMBEDMENTS PRIOR TO PLACING CONCRETE. NO OPENINGS SHALL BE PERMITTED THROUGH BEAMS OR PLINTHS UNLESS DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.
9. ALL DRILLED/EPOXY SET ANCHORS OR DOWELS SHALL BE AS MANUFACTURED BY HILTI.
10. REPAIRING FORMED SURFACES: SURFACE DEFECTS INCLUDE COLOR AND TEXTURE IRREGULARITIES, CRACKS, SPALLS, AIR BUBBLES, HONEYCOMBS, ROCK POCKETS, FINS AND OTHER PROJECTIONS ON THE SURFACE, AND STAINS AND OTHER DISCOLORATIONS THAT CANNOT BE REMOVED BY CLEANING.
    A. IMMEDIATELY AFTER FORM REMOVAL, CUT OUT HONEYCOMBS, ROCK POCKETS AND VOIDS MORE THAN 1/2 INCH IN ANY DIMENSION IN SOLID CONCRETE, BUT NOT LESS THAN 1 INCH IN DEPTH. MAKE EDGES OF CUTS PERPENDICULAR TO CONCRETE SURFACE. CLEAN, DAMPEN WITH WATER, AND BRUSH-COAT HOLES AND VOIDS WITH BONDING AGENT. FILL AND COMPACT WITH PATCHING MORTAR OR CONE PLUGS SECURED IN PLACE WITH BONDING AGENT.
    B. REPAIR DEFECTS ON SURFACES EXPOSED TO VIEW BY BLENDING WHILE PORTLAND CEMENT AND STANDARD PORTLAND CEMENT SO THAT, WHEN DRY, PATCHING MORTAR WILL MATCH SURROUNDING COLOR. PATCH A TEST AREA AT INCONSPICUOUS LOCATIONS TO VERIFY MIXTURE AND COLOR MATCH BEFORE PROCEEDING WITH PATCHING. COMPACT MORTAR IN PLACE AND STRIKE OFF SLIGHTLY HIGH THAN SURROUNDING SURFACE.
    C. REPAIR DEFECTS ON CONCEALED FORMED SURFACES THAT AFFECT CONCRETE'S DURABILITY AND STRUCTURAL PERFORMANCE AS DETERMINED BY ARCHITECT.
11. PLACE CONCRETE CONTINUOUSLY WITHOUT INTERRUPTION, IN SUCH A MANNER AS NOT TO CAUSE SEGREGATION, VIBRATING EACH LIFT. USE CHUTES OR TREMIE FOR PLACING CONCRETE WHERE A DROP OF MORE THAN 5' IS REQUIRED, OR PUMP CONCRETE IN PLACE.
12. PROPER ACCESSORIES/SUPPORTS ARE TO BE USED AS NOTED. ALL REINFORCING TO BE SECURELY AND ACCURATELY HELD IN LOCATIONS SHOWN ON PLANS AND DETAILS.
13. TESTING LABORATORY SERVICES FOR QUALITY CONTROL OF CAST-IN-PLACE CONCRETE SHALL BE PROVIDED BY THE OWNER. TESTING SERVICES SHALL INCLUDE PREPARATION AND TESTING OF CONCRETE COMPRESSION CYLINDERS AND SLUMP TESTS AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

CONCRETE MIX CRITERIA

CONCRETE PLACEMENT	MIN. STRENGTH @ 28 DAYS	CEMENTITIOUS CONTENT	WATER CEMENT RATIO		SLUMP	AIR CONTENT	MAX. AGGREGATE
			AIR ENTRAINED	NON-AIR ENTRAINED			
FOOTINGS	3000 PSI NW	5 SACKS PER CUBIC YD. (MAX. OF WHICH MAY BE 15% FLYASH)	0.45	0.48	4" ± 1"	4% - DO NOT ADD AIR ENTRAINING AGENTS	1 1/2"
SLAB ON GRADE	3000 PSI NW	5 SACKS PER CUBIC YD. (FLYASH NOT ALLOWED)	0.48	0.48	4" ± 1"	5.5%, ± 1.5% AT POINT OF DELIVERY. AIR CONTECT OF TROWELED FLOORS SHALL NOT EXCEED 3 %	1 1/2"
FLOOR SLAB	3500 PSI NW	5 SACKS PER CUBIC YD. (FLYASH NOT ALLOWED)	0.45	0.48	4" ± 1"	6%, ± 1.5% AT POINT OF DELIVERY. AIR CONTECT OF TROWELED FLOORS SHALL NOT EXCEED 3 %	1"
GRADE BEAMS, FDN. WALLS	3000 PSI NW	5 SACKS PER CUBIC YD. (MAX. OF WHICH MAY BE 15% FLYASH)	0.45	0.48	4" ± 1"	5.5%, ± 1.5% AT POINT OF DELIVERY.	1 1/2"

NOTE: DO NOT ADD WATER AT THE SITE FOR SLAB POURS.

STRUCTURAL STEEL WITHOUT REACTIONS

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN CONFORMITY WITH THE REQUIREMENTS OF THE THIRTEENTH EDITION, AISC "MANUAL OF STEEL CONSTRUCTION".
2. SPECIFICATIONS FOR STRUCTURAL STEEL
   a. WIDE FLANGE SHAPES SHALL BE ASTM A-992, GRADE 50.
   b. S-SHAPE BEAMS SHALL BE DUEL GRADE A36/A572-50.
   c. MISCELLANEOUS PLATES, ANGLES AND CHANNELS SHALL BE ASTM A-36 MATERIAL.
   d. STRUCTURAL TUBING SHALL BE ASTM A-500, GRADE B.
   e. STEEL PIPE SHALL BE ASTM A-501.
3. ALL WELDING SHALL CONFORM TO RECOMMENDATIONS OF A.W.S. AND ALL WELDS, INCLUDING FIELD SHALL BE MADE ONLY BY CERTIFIED WELDERS. USE E70XX ELECTRODES.
4. ALL BOLTS NOT OTHERWISE SPECIFIED SHALL BE 3/4", HIGH STRENGTH BEARING TYPE (ASTM A-325) WITH WASHERS, EXCEPT ANCHOR BOLTS SHALL BE ASTM F-1554. PROVIDE TWO NUTS AND WASHERS EACH WITH EACH ANCHOR BOLT REQUIRED.
5. ALL STRUCTURAL AND MISCELLANEOUS METAL IS TO BE CLEANED PRIOR TO SHOP PAINTING/SHIPMENT IN ACCORDANCE WITH THE STRUCTURAL STEEL PAINTING COUNCIL REQUIREMENTS FOR THE FOLLOWING GRADE: POWER TOOL.
6. ALL EXTERIOR STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED COATING DESIGNATION G90, TYPICA UNLESS NOTED OTHERWISE. FIELD WELDING OF GALVANIZED MEMBERS SHALL BE COATED WITH COLD-GALVANIZING COMPOUND.
7. BEAM CONNECTIONS SHALL BE DETAILED AS FOLLOWS:
   a. CONNECTIONS SHALL BE AISC TYPE 2 SIMPLE FRAMING
   b. IN GENERAL, SHOP CONNECTIONS SHALL BE WELDED OR BOLTED, AND FIELD CONNECTIONS SHALL BE BOLTED.
   c. BOLT HOLE SIZES SHALL CONFORM TO AISC SPECIFICATIONS. SHORT SLOTTED HOLES SHALL HAVE HARDENED WASHERS.
   d. MINIMUM CAPACITY OF BEAM CONNECTION SHALL BE 55% OF THE TOTAL LOAD CAPACITY FOR THE BEAM SPAN SHOWN IN THE BEAM TABLES IN SECTION 2 OF THE AISC MANUAL, NINTH EDITION.

CONCRETE DECK ON METAL FORMS

1. FLOOR DECK SHALL BE NORMAL WEIGHT CONCRETE OVER CORRUGATED PERMANENT STEEL FORM DECK - TOTAL THICKNESS = 3 INCHES.
2. CORRUGATED STEEL DECK SHALL BE GALVANIZED CONFORM DECK, TYPE 0.6C28, AS MANUFACTURED BY VULCRAFT, DIVISION OF NUCOR CORPORATION.
3. REINFORCING STEEL SHALL BE 6x6-W1.4xW1.4, PLACED 1 1/2" FROM TOP OF CONCRETE.
4. CONCRETE SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 1" AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS.
5. STEEL DECK SHALL BE FASTENED TO ALL SUPPORTING STEEL W/ 16 GA. WELD WASHERS WITH 3/8" HOLE, IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. THE CONNECTION AT END MEMBERS AND INTERIOR SUPPORTS SHALL BE 30/4 PATTERN.
6. STEEL DECK SHALL BE CONTINUOUS OVER THREE SPANS MINIMUM. DECK SPAN SHALL BE A MAXIMUM OF 2'-0".
7. FOR ALL OPENINGS IN METAL DECK NOT FRAMED WITH STRUCTURAL STEEL AND GREATER THAN 10" BUT LESS THAN 4'-0" IN EITHER DIRECTION, PROVIDE 1 #5 x OPENING WIDTH PLUS 4'-0" IN A DIRECTION PERPENDICULAR TO DECK RIBS AT EACH SIDE OF OPENINGS WITH BARS CHAIRED UP 3/4" ON TOP OF RIBS AND 2 #5 x DECK SPAN PLUS 1'-0" PAST NEAREST SUPPORT BEAM AT EACH SIDE OF OPENING CHAIRED UP 3/4" FROM BOTTOM OF NEAREST DECK RIB RUNNING BESIDE THE OPENING FROM SUPPORT TO SUPPORT. PROVIDE BLOCKOUT IN SLAB FOR OPENING WITH DECK UNCUT. CUT DECK AT OPENING AFTER CONCRETE HAS REACHED 75% OF THE DESIGN COMPRESSIVE STRENGTH.

STAINLESS STEEL PLATE @ TOP OF LADDER TOWER

STAINLESS STEEL: Furnish & install SlipNOT anti-slip, non-gritted, stainless steel Grip Plate/Grip Grate Grade #2 - Medium, as manufactured by the W. S. Molnar Company (1-800-SlipNOT) 3/8" thick. Stainless steel Grip Plate/Grip Grate shall incorporate an anti-slip stainless steel surface covering 100% of substrate consisting of a random hatch matrix with a surface hardness of at least 55 on the Rockwell 'C' scale and a bond strength to the Grip Plate/Grip Grate of at least 4000 psi. The anti-slip surface shall have a minimum coefficient of friction of 0.6 and be listed as slip resistant by Underwriters Laboratories. CONNECT STEEL PLATE TO FRAMING AS SPECIFIED

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650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

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SHEET TITLE
STRUCTURAL NOTES

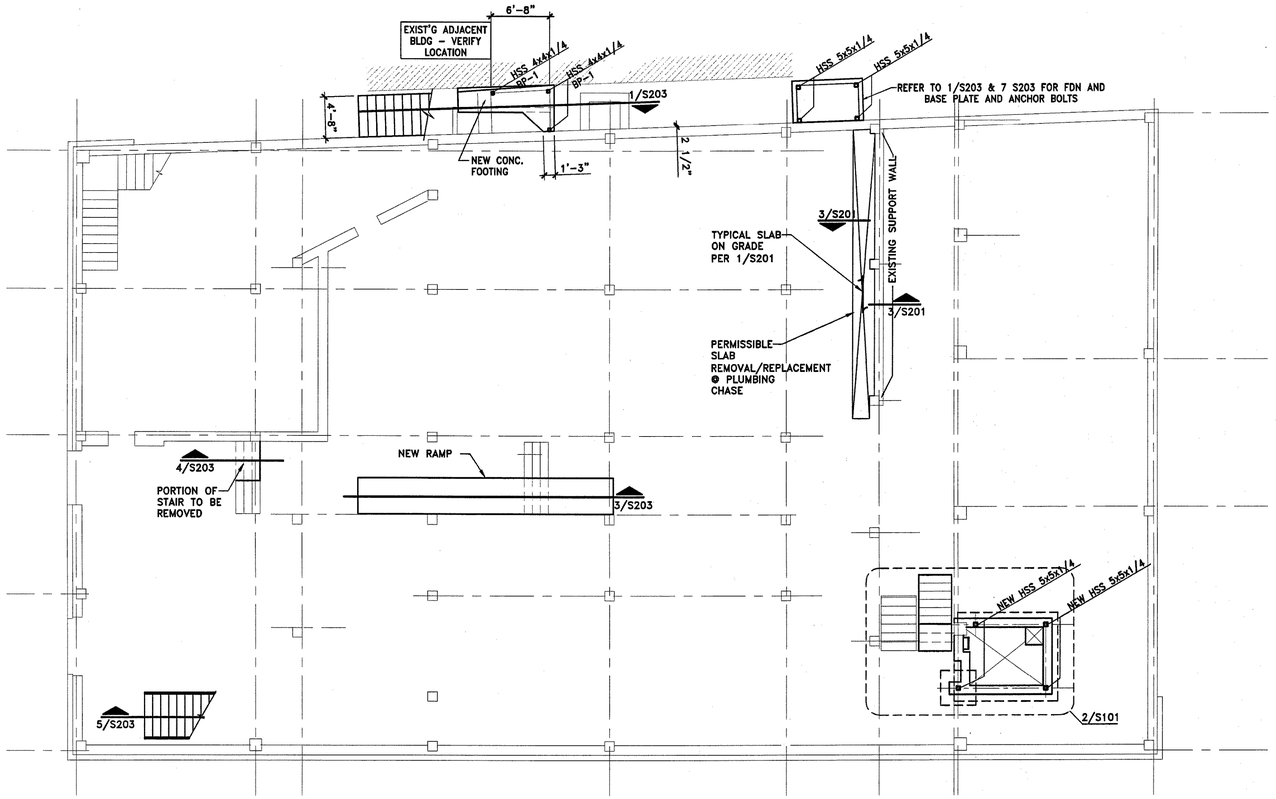
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S100

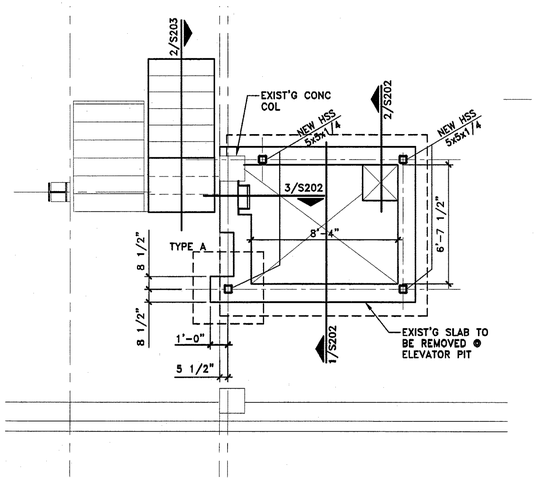
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ENLARGED FOUNDATION PLAN @ ELEVATOR

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

2 / S101

FOUNDATION PLAN - LEVEL 1

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

1 / S101

FOOTING SCHEDULE

TYPE	SIZE	THICKNESS	REINFORCING
A	4'-0"x4'-0"	1'-0"	5 #5 EA. WAY BOTT.

SEQUENCE OF CONSTRUCTION (STRUCTURAL WORK ONLY - COORDINATE W/ ELEVATOR INSTALLATION)

1. CONDUCT PRE-INSTALLATION CONFERENCE AT PROJECT SITE.
2. PROTECT STRUCTURES FROM DAMAGE CAUSED BY SETTLEMENT, UNDERMINING, AND WASHOUT.
3. IF GROUND WATER IS ENCOUNTERED, PLACE A DEWATERING SYSTEM IN OPERATION TO LOWER WATER TO ACCEPTABLE LEVELS.
4. DEWATERING SYSTEM SHALL UTILIZE WELLS, WELL POINTS, OR SIMILAR METHODS COMPLETE W/ PUMP EQUIPMENT, STANDBY POWER, AND PUMPS WATER DISPOSAL, SURFACE- WATER CONTROLS. USE FILTERS OR OTHER MEANS TO PREVENT PUMPING OF SANDS/SILTS FROM SUBGRADE.
5. CONTRACTOR SHALL PROVIDE CONTINUOUS KEYS AND SYNKO-FLEX WATERSTOP AT ALL HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS. CHIP KEYS INTO EXISTING CONSTRUCTION WHICH ABUTS NEW CONSTRUCTION.
6. PERFORM REMAINDER OF WORK.

* THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TRENCH SAFETY PROVISIONS MEETING THE REQUIREMENTS OF THE UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

* REFER TO SPECIFICATIONS FOR PROTECTION OF EXISTING STRUCTURES DURING DEMOLITION.

CONTRACTOR NOTE - EXISTING CONSTRUCTION:

ALL EXISTING BUILDING DIMENSIONS, ELEVATIONS, AND DETAILS SHOWN SHALL BE FIELD VERIFIED BY GENERAL CONTRACTOR. NO FABRICATION OR CONSTRUCTION SHALL BE STARTED UNTIL VERIFICATION IS COMPLETE. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF ANY AND ALL DISCREPANCIES TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.

FOUNDATION PLAN NOTES:

1. REFER TO S100 FOR STRUCTURAL NOTES.
2. REFERENCE FIN. FLOOR ELEV. = 0'-0" (399.79').
3. COORDINATE LOCATION AND DIMENSION OF STAIRS AND ELEVATOR WITH ARCHITECT.
4. REFER S201 FOR TYPICAL FOUNDATION DETAILS.

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NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
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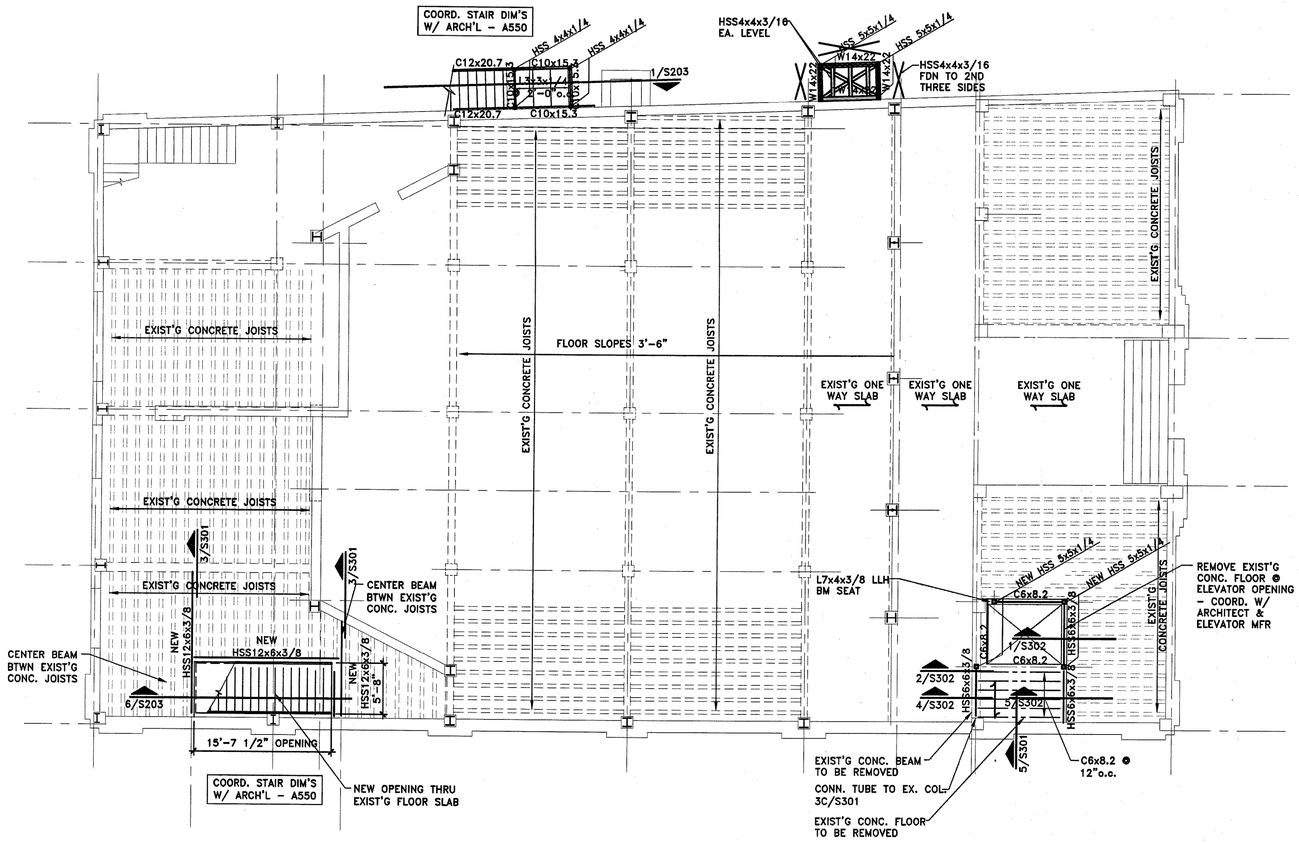
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SHEET TITLE
FOUNDATION PLAN - LEVEL 1

SHEET NO.
S101

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SECOND LEVEL (EXIST'G FIRST FLOOR) FRAMING PLAN NOTES:

1. REFER TO SHEET S100 FOR STRUCTURAL NOTES.
2. REFERENCE FIN. FLR. EL. 11'-7 9/16" (411.42')
3. ALL COLUMNS SHALL HAVE A MINIMUM 1/4" CAP PL, UNLESS NOTED OR DETAILED OTHERWISE.
4. REFER TO SHEET S301 FOR TYPICAL FRAMING DETAILS.

CONTRACTOR NOTE – EXISTING CONSTRUCTION:

ALL EXISTING BUILDING DIMENSIONS, ELEVATIONS, AND DETAILS SHOWN SHALL BE FIELD VERIFIED BY GENERAL CONTRACTOR. NO FABRICATION OR CONSTRUCTION SHALL BE STARTED UNTIL VERIFICATION IS COMPLETE. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF ANY AND ALL DISCREPANCIES TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.

2ND LEVEL FRAMING PLAN

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

1 / S102

0 4 8 16 32

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T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

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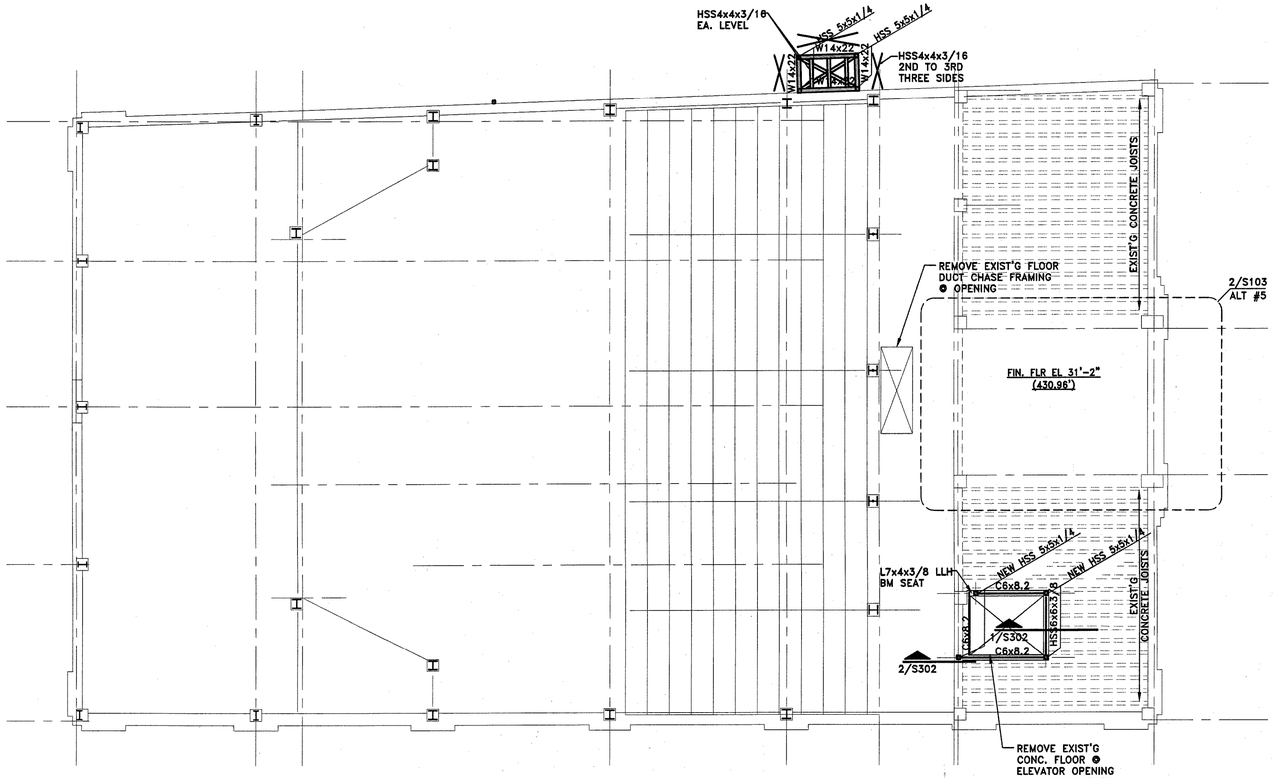
SHEET TITLE
LEVEL 2
FLOOR FRAMING PLAN

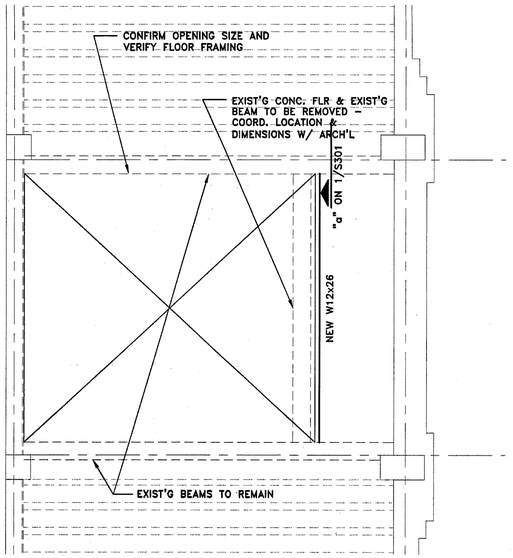
SHEET NO.
S102

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ENLARGED FRAMING PLAN ALTERNATE #5 (2/S103)

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

0 4 8 16

THIRD LEVEL (NOT ORIGINAL FLOOR) FRAMING PLAN NOTES:

1. REFER TO SHEET S100 FOR STRUCTURAL NOTES.
2. REFERENCE FIN. FLR. EL. 21'-4 13/16" (421.19')
3. ALL COLUMNS SHALL HAVE A MINIMUM 1/4" CAP PL, UNLESS NOTED OR DETAILED OTHERWISE.
4. REFER TO SHEET S301 FOR TYPICAL FRAMING DETAILS.

CONTRACTOR NOTE – EXISTING CONSTRUCTION:

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3RD LEVEL FRAMING PLAN (1/S103)

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

0 4 8 16 32

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IN ASSOCIATION WITH:

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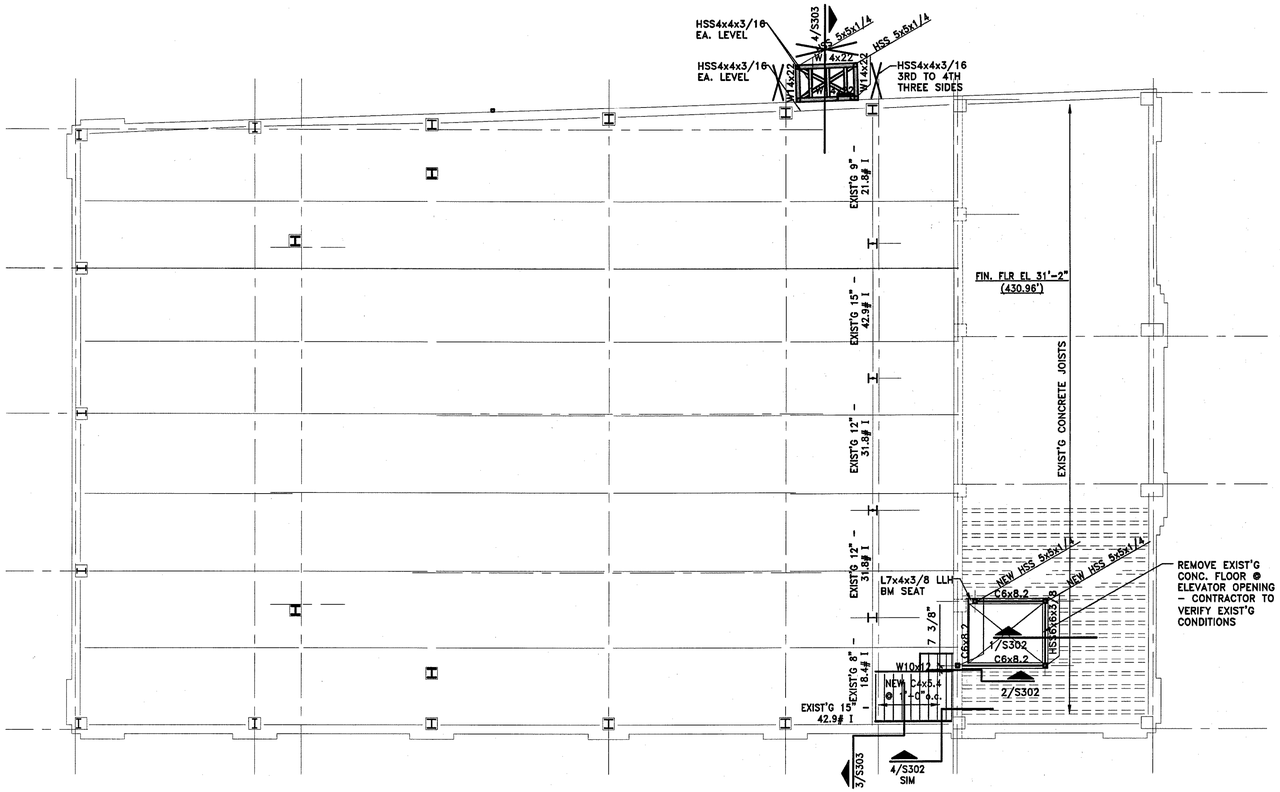
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SHEET TITLE
LEVEL 3
FLOOR FRAMING PLAN

SHEET NO.
S103

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FOURTH LEVEL (EXIST'G 2nd FLOOR) FRAMING PLAN NOTES:

1. REFER TO SHEET S100 FOR STRUCTURAL NOTES.
2. REFERENCE FIN. FLR. EL. 31'-2" (430.96')
3. ALL COLUMNS SHALL HAVE A MINIMUM 1/4" CAP PL, UNLESS NOTED OR DETAILED OTHERWISE.
4. REFER TO SHEET S301 FOR TYPICAL FRAMING DETAILS.

CONTRACTOR NOTE - EXISTING CONSTRUCTION:

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4TH LEVEL FRAMING PLAN

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

1 / S104

0 4 8 16 32

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SHEET TITLE
LEVEL 4
FLOOR FRAMING PLAN

SHEET NO.
S104

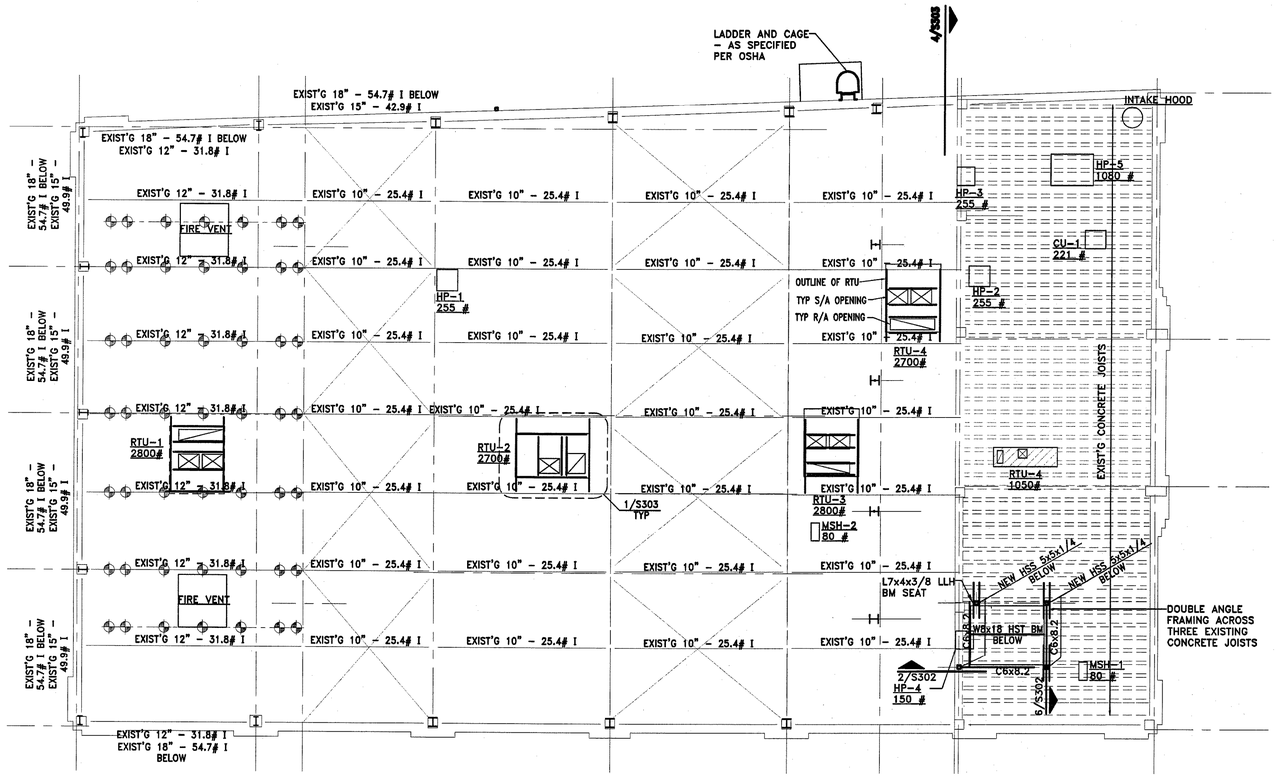
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EXISTING ROOF STRUCTURE VERIFICATION:

EXISTING ROOF STRUCTURES HAVE BEEN VERIFIED TO ADEQUATELY SUPPORT ORIGINAL LOADS, AND ALL NEW LOADS AS INDICATED:
1. NEW MECHANICAL LOADS
2. NEW FIRE PROTECTION
A. NEW THEATRE RIGGING LOADING

ROOF FRAMING PLAN NOTES:

1. REFER TO SHEET S100 FOR STRUCTURAL NOTES.
2. ALL COLUMNS SHALL HAVE A MINIMUM 1/4" CAP PL, UNLESS NOTED OR DETAILED OTHERWISE.
3. REFER TO SHEET S301 FOR TYPICAL FRAMING DETAILS.
4. COORDINATE LOCATIONS OF ROOF TOP UNITS W/ MECH'L. REFER 1 & 2/S303 FOR FRAMING @ MECH'L UNITS.

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ROOF FRAMING PLAN

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

1 / S105

0 4 8 16 32

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IN ASSOCIATION WITH:

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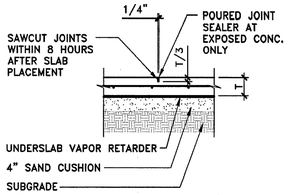
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SHEET TITLE
ROOF FRAMING PLAN

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S105

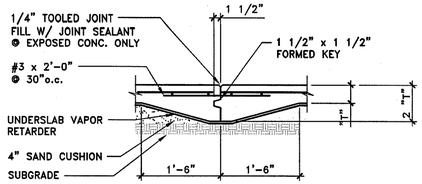
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SAWCUT SLAB JOINT DETAIL

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

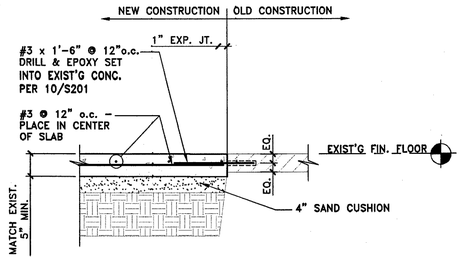
1 S201



KEYED CONSTRUCTION SLAB JOINT DETAIL

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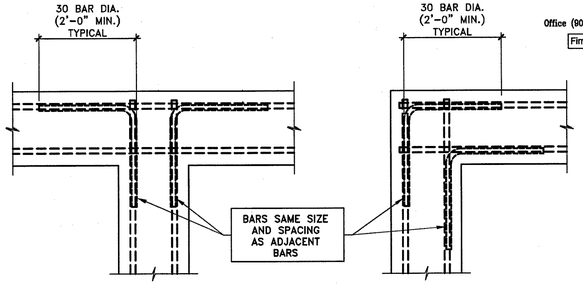
2 S201



NEW TO EXISTING SLAB CONSTRUCTION JOINT

N.T.S.

3 S201

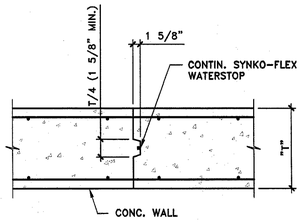


PLAN VIEW

CORNER BAR REINFORCING AT ALL WALLS AND BEAMS

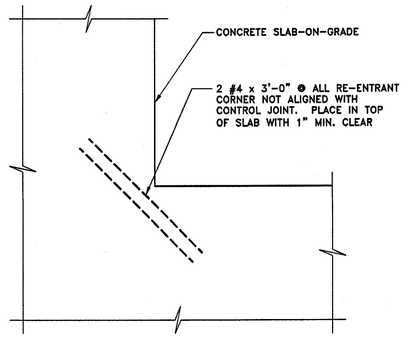
N.T.S.

4 S201



KEYED CONSTRUCTION

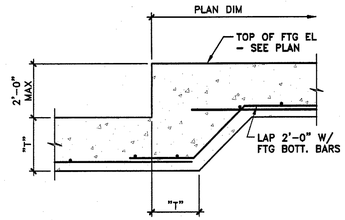
BAR SIZE	STD. HOOK
#3, #4	8"
#5	10"
#6	1'-0"
#7	1'-2"
#8	1'-4"
#9	1'-7"
#10	1'-10"



TYP. SLAB-ON-GRADE RE-ENTRANT CORNER REINFORCING DETAIL

N.T.S.

7 S201



TYPICAL FOOTING STEP

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

8 S201

TYP. CONC. WALL JOINT DTL

N.T.S.

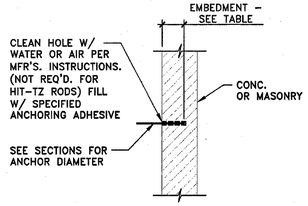
5 S201

BAR BENDING SCHEDULE

N.T.S.

TOP STEEL

6 S201



ADHESIVE ANCHOR NOTES:

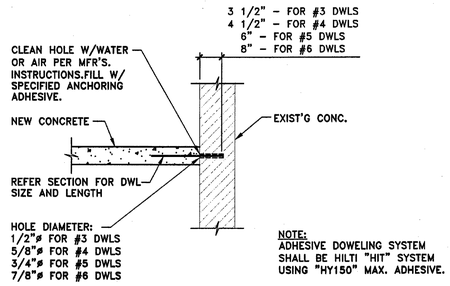
1. ADHESIVE ANCHORS SHALL BE HILTI HIT SYSTEM. USE HY-150 MAX ADHESIVE IN SOLID & GROUTED MASONRY.
2. LOCATE EXISTING REINFORCING STEEL IN THE CONCRETE USING NON-DESTRUCTIVE METHODS AND POSITION ANCHOR LOCATIONS TO AVOID CONFLICTS WITH EXISTING REINFORCING. ANCHOR LOCATIONS CAN BE ADJUSTED BY A MAXIMUM OF 1 1/2" FROM DETAILED LOCATIONS TO AVOID CONFLICTS, UNLESS NOTED OTHERWISE.
3. BASED ON FIELD VERIFIED LOCATIONS OF REINFORCING STEEL AND EMBEDDED ITEMS, THE CONTRACTOR SHALL CREATE TEMPLATES FOR EACH ANCHOR GROUP.
4. WHEN ANCHORING TO MASONRY, ANCHORS SHALL BE LIMITED TO ONE PER UNIT CELL
5. ALL DEBRIS SHALL BE BLOWN OUT OF THE HOLES WITH COMPRESSED AIR AFTER DRILLING. (NOT REQUIRED FOR HIT-TZ ANCHORS).
6. ALL ABANDONED HOLES SHALL BE FILLED WITH NON-SHRINK GROUT.
7. HOLES IN CONNECTION PLATES SHALL BE NOT MORE THAN 1/16" LARGER THAN THE ANCHOR DIAMETER. IF LARGER HOLES ARE REQUIRED FOR ERECTION PURPOSES, PROVIDE 1/4" x 3"x 3" PLATE WASHERS CONTINUOUSLY WELDED TO THE CONNECTION PLATE.

ANCHOR INSTALLATION INFORMATION				
ANCHOR	ANCHOR DIAMETER	1/2"	5/8"	3/4"
	HOLE DIAMETER	9/16"	3/4"	7/8"
EMBED	HAS STD. OR S.S.	4 1/2"	5 5/8"	6 3/4"
	HIT-TZ	3 1/2"	4"	5 1/4"
MAX. TORQUE (FT. LBS.)	HAS STD. & HIT-TZ	30	75	150
	HAS-S.S.	20	30	105

TYPICAL ADHESIVE ANCHOR DETAIL FOR SOLID AND GROUTED MASONRY MASONRY & CONCRETE

N.T.S.

9 S201



NOTE:
ADHESIVE DOWELING SYSTEM SHALL BE HILTI "HIT" SYSTEM USING "HY150" MAX. ADHESIVE.

TYPICAL ADHESIVE DOWEL DETAIL

N.T.S.

10 S201

DIETZ ENGINEERS, LLC
Consulting Engineers
212 Old Grande Blvd., Suite C124
Tyler, Texas 75703
Office (903) 581-2551 Fax (903) 581-2552
Firm Registration No. F-12575

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
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DONNA M. DIETZ
58252
LICENSED
PROFESSIONAL ENGINEER

SEAL

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	2011-05-31

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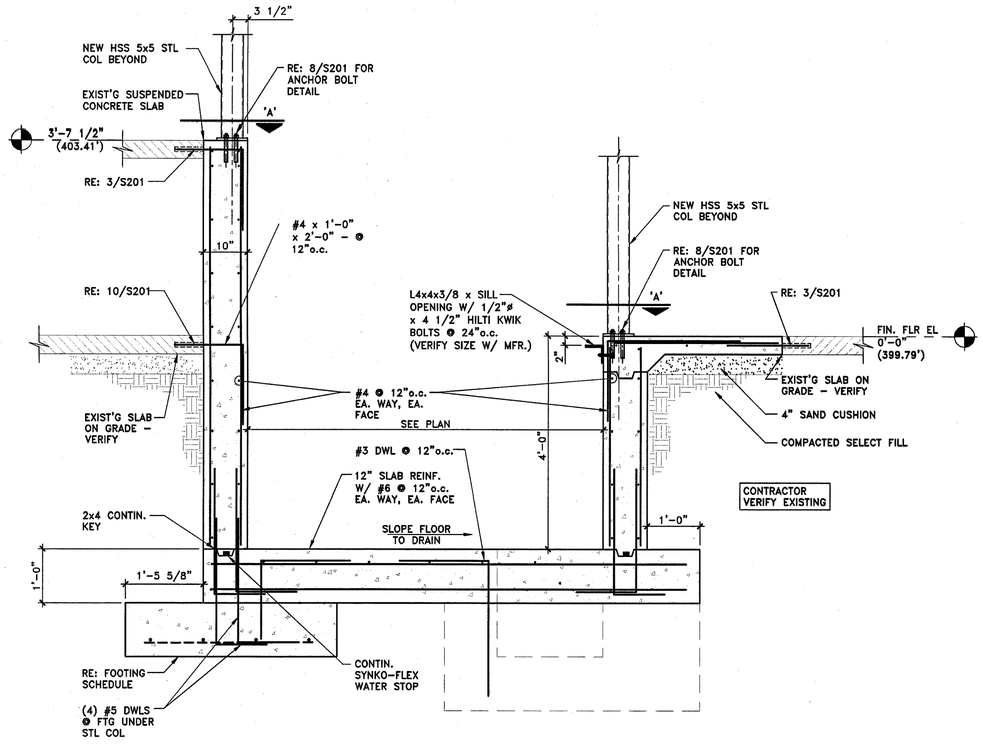
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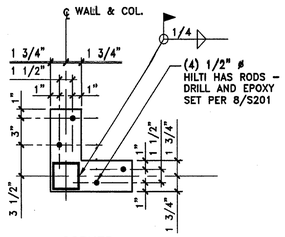
S201

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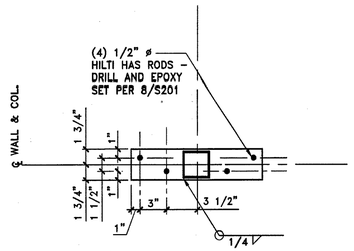
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Consulting Engineers
212 Old Grande Blvd., Suite C124
Tyler, Texas 75703
Office (903) 581-2551 Fax (903) 581-2552
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SECTION
SCALE: 3/4" = 1'-0"
1 / S202

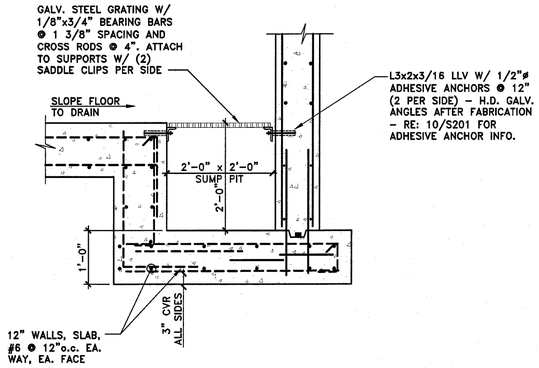


CORNER
1" THICK

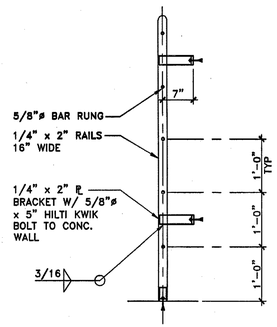


ALONG WALL
1" THICK

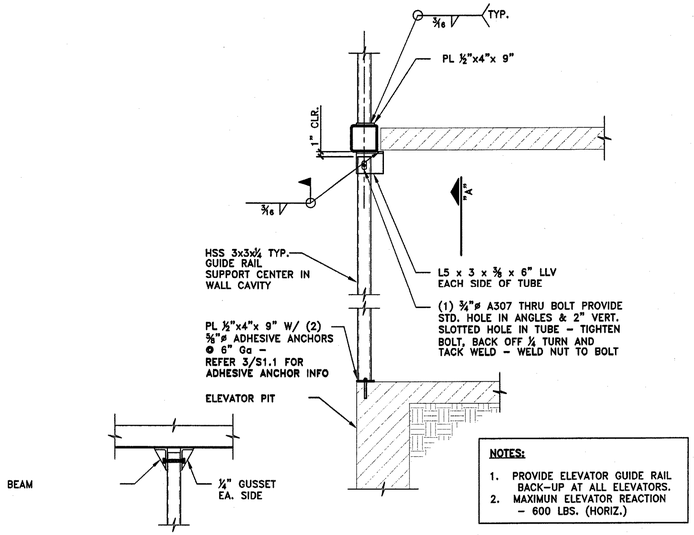
SECTION A



SUMP PIT SECTION
SCALE: 3/4" = 1'-0"
2 / S202



LADDER DETAIL
SCALE: 3/4" = 1'-0"
3 / S202



NOTES:
1. PROVIDE ELEVATOR GUIDE RAIL BACK-UP AT ALL ELEVATORS.
2. MAXIMUN ELEVATOR REACTION - 600 LBS. (HORIZ.)

SECTION "A"

ELEVATOR GUIDERAIL DETAIL
SCALE: 3/4" = 1'-0"
4 / S202

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Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
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58252
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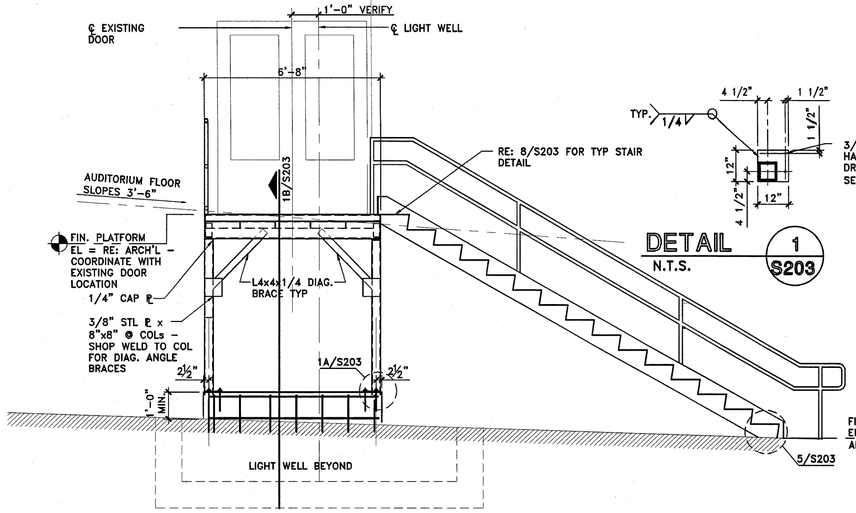
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S202

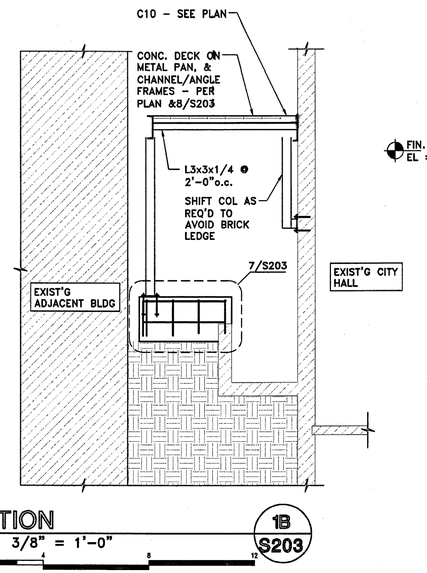
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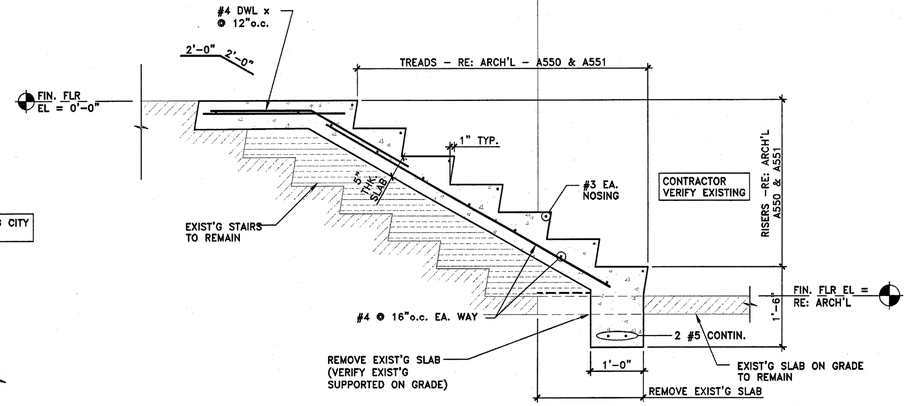


STAIR SECTION
SCALE: 3/8" = 1'-0" — 1 / S203

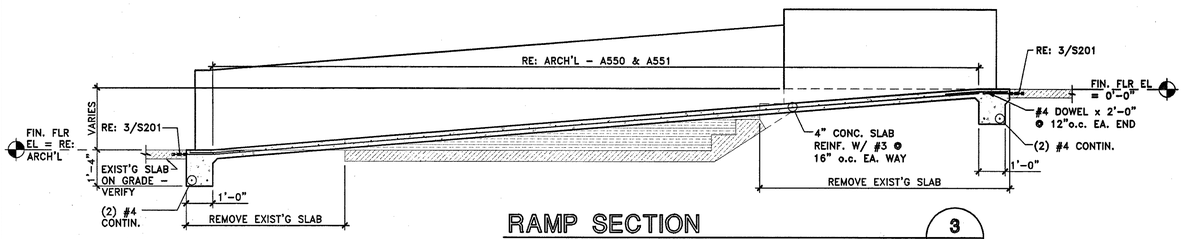
DETAIL
N.T.S. — 1 / S203



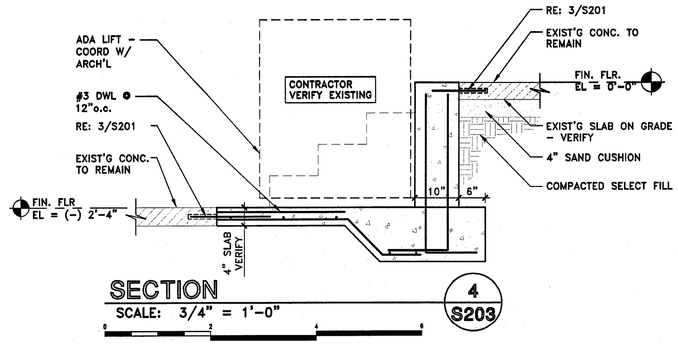
SECTION
SCALE: 3/8" = 1'-0" — 1B / S203



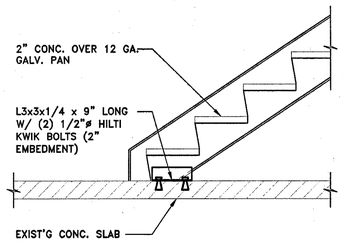
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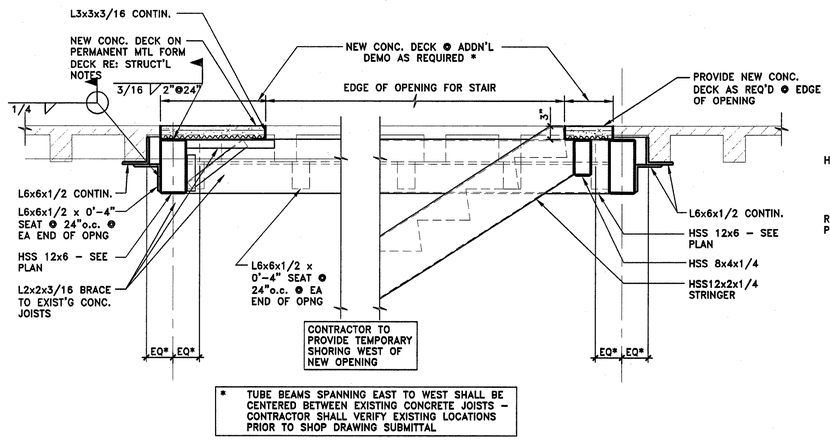
RAMP SECTION
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SECTION
SCALE: 3/4" = 1'-0" — 4 / S203

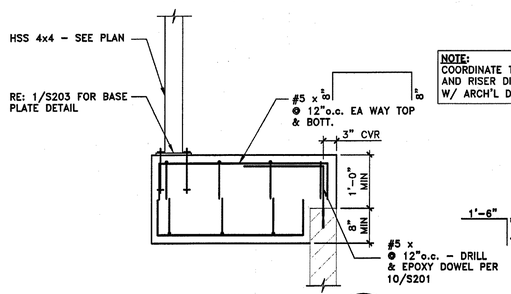


SECTION
SCALE: 3/4" = 1'-0" — 5 / S203

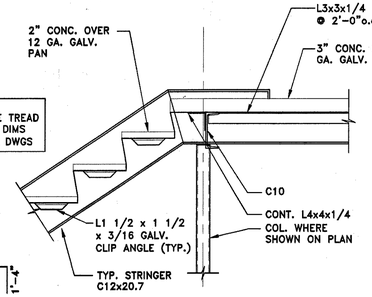


* TUBE BEAMS SPANNING EAST TO WEST SHALL BE CENTERED BETWEEN EXISTING CONCRETE JOISTS - CONTRACTOR SHALL VERIFY EXISTING LOCATIONS PRIOR TO SHOP DRAWING SUBMITTAL

SECTION
SCALE: 3/4" = 1'-0" — 6 / S203



SECTION
SCALE: 3/4" = 1'-0" — 7 / S203



SECTION
SCALE: 3/4" = 1'-0" — 8 / S203

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NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
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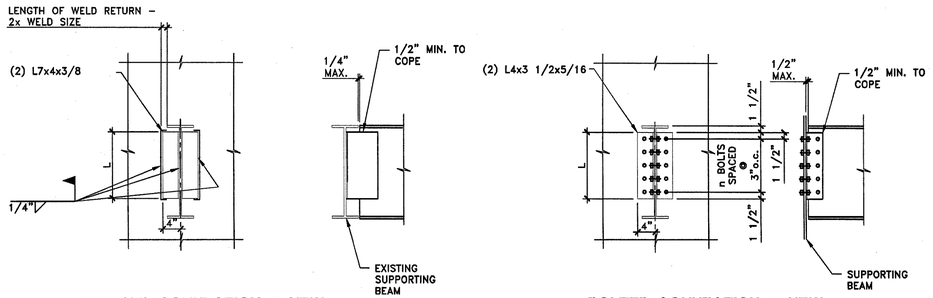
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Firm Registration No. F-12575

NOTES:

1. REFER TO AISC MANUAL OF STEEL CONSTRUCTION.
2. FOR COPED BEAM CONNECTIONS, THE CAPACITY OF THE NET SHEAR AREA OF THE WEB SHALL BE VERIFIED.

BOLTED FRAMED BEAM CONNECTION SCHEDULE

n # BOLTS	L (Inches)	DEAM DEPTH
2	6"	W10
3	9"	W12 to W14
4	12"	W16
5	15"	W18
6	18"	W24
76	21"	W30



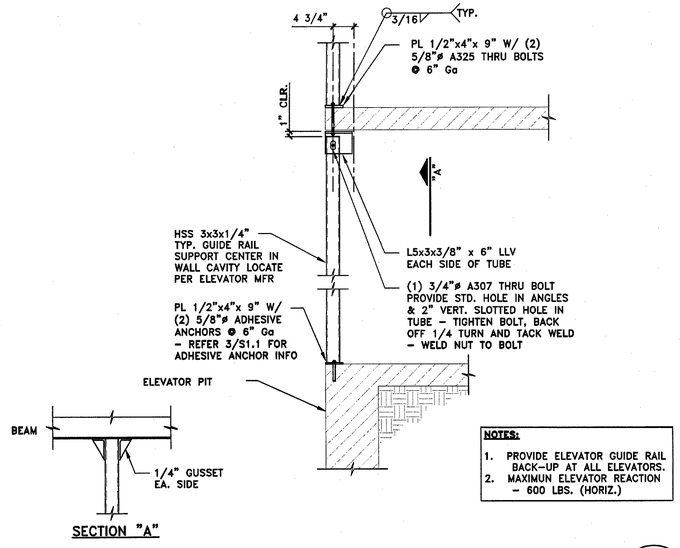
"a" **WELDED CONNECTION @ NEW TO EXISTING STEEL BEAMS**

"b" **BOLTED CONNECTION @ NEW TO NEW STEEL BEAMS**

FRAMED BEAM CONNECTION SCHEDULE

SCALE: 3/4" = 1'–0"

1 S301



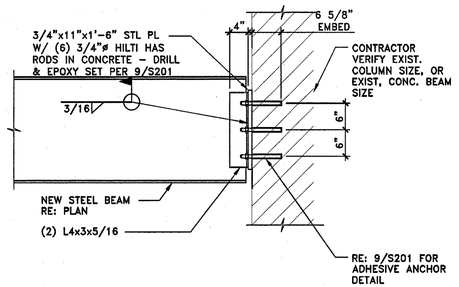
NOTES:

1. PROVIDE ELEVATOR GUIDE RAIL BACK–UP AT ALL ELEVATORS.
2. MAXIMUN ELEVATOR REACTION – 600 LBS. (HORIZ.)

ELEVATOR GUIDERAIL DETAIL

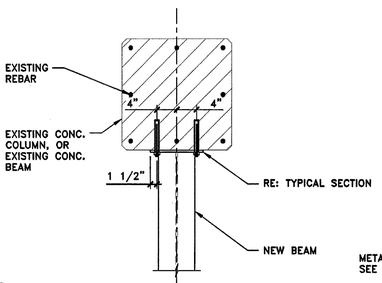
SCALE: 3/4" = 1'–0"

2 S301



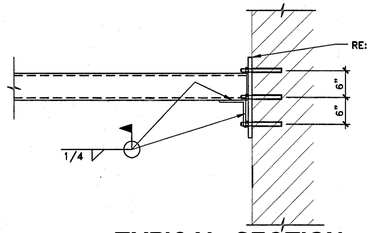
TYPICAL SECTION - (6) BOLTS

3A



PLAN VIEW

3B



TYPICAL SECTION - (6) BOLTS

3C

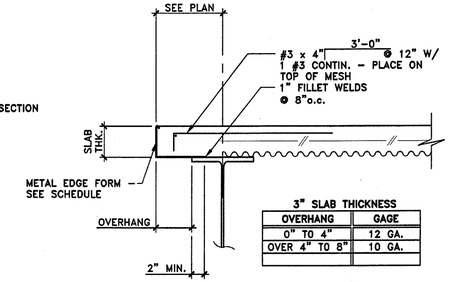
NOTE:

1. VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION
2. MINIMUM DISTANCE FROM CENTERLINE OF BOLT TO EDGE OF CONCRETE SHALL BE 6".

FRAMED BEAM CONNECTION DETAILS

SCALE: 3/4" = 1'–0"

3 S301



3" SLAB THICKNESS

OVERHANG	GAGE
0" TO 4"	12 GA.
OVER 4" TO 8"	10 GA.

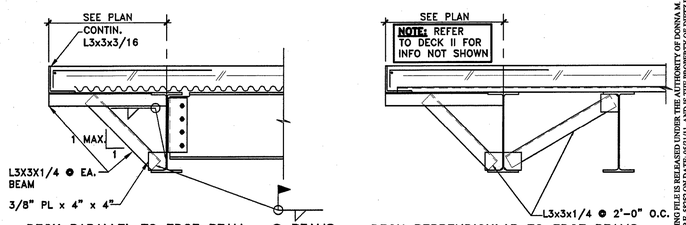
IF OVERHANG DIMENSION EXCEEDS TABLE MAXIMUMS, PROVIDE ANGLE SUPPORT PER DETAIL 5/S301

PROVIDE 1/2" RETURN LIP ON EDGE FORMS.

TYPICAL SLAB POUR STOP DETAIL

SCALE: 1 1/2" = 1'–0"

4 S301



DECK PARALLEL TO EDGE BEAM – @ BEAMS

DECK PERPENDICULAR TO EDGE BEAMS

NOTE: REFER TO 4/S301 FOR INFO NOT SHOWN

SLAB CANTILEVERED EDGE CONDITION

N.T.S.

5 S301

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650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

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58252
LICENSED PROFESSIONAL ENGINEER

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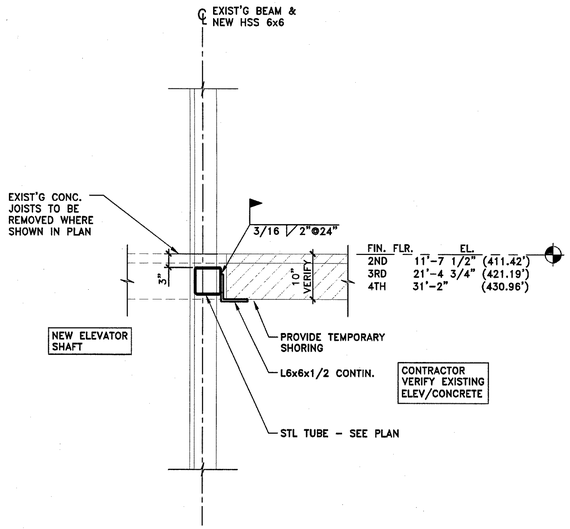
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SHEET TITLE
TYPICAL FRAMING DETAILS

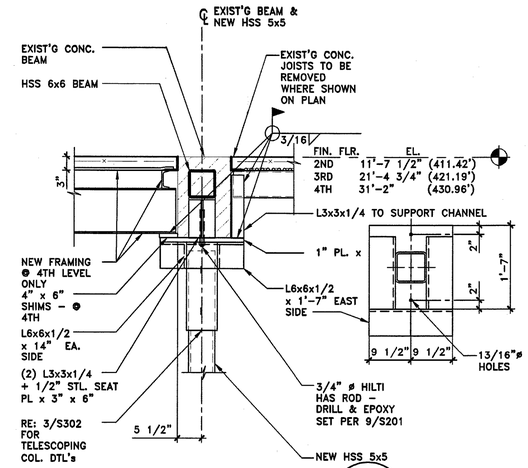
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S301

05 Jul 11 - 10:40pm

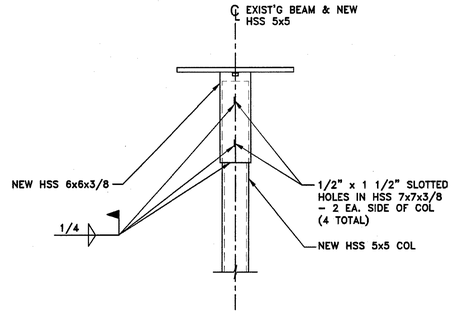
DIETZ ENGINEERS, LLC
Consulting Engineers
212 Old Grande Blvd., Suite C124
Tyler, Texas 75703
Office (903) 581-2551 Fax (903) 581-2552
Firm Registration No. F-12575



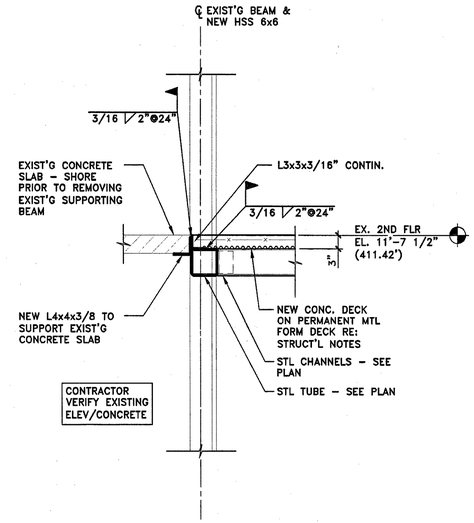
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1 / S302



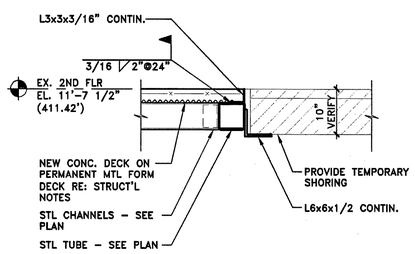
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2 / S302



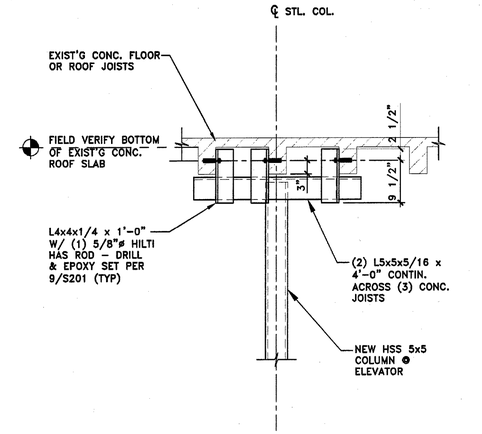
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3 / S302



SECTION
SCALE: 3/4" = 1'-0"
4 / S302



SECTION
SCALE: 3/4" = 1'-0"
5 / S302



COLUMN SUPPORT @ ELEVATOR SECTION
SCALE: 3/4" = 1'-0"
6 / S302

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

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5/31/2011
STATE OF TEXAS
DONNA M. DIETZ
58252
LICENSED PROFESSIONAL ENGINEER

SEAL

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	2011-05-31

CHECKED BY: DMD
DRAWN BY: DMD
PROJECT NO. 10-001

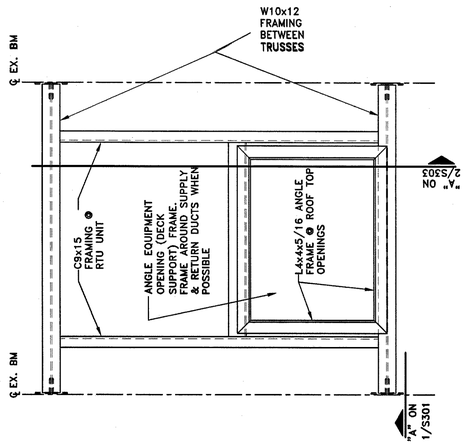
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SHEET TITLE
FRAMING DETAILS

SHEET NO.
S302

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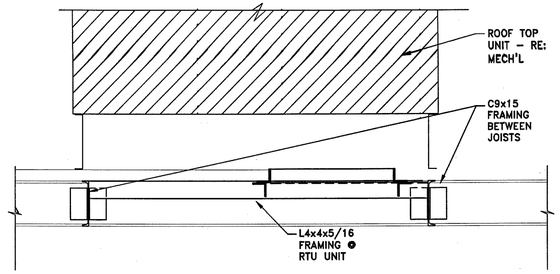
05 Jul 11 - 10:41pm



TYPICAL SCHEMATIC ROOFTOP MOUNTED MECHANICAL UNIT OPENING FRAMING PLAN

N.T.S.

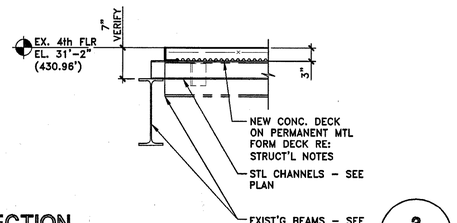
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SECTION

N.T.S.

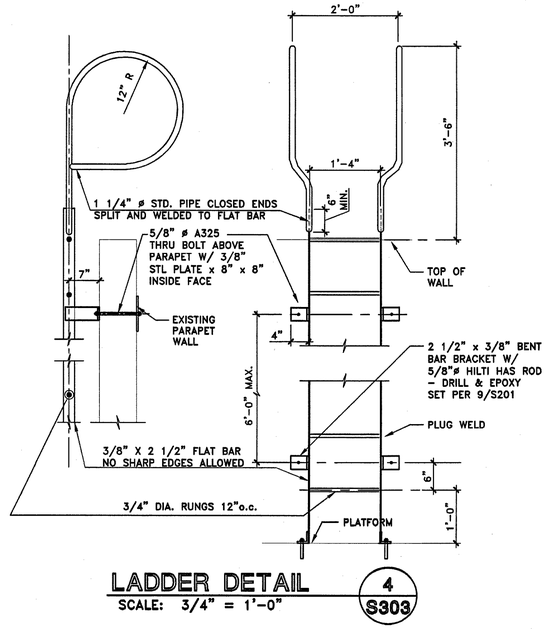
2 / S303



SECTION

N.T.S.

3 / S303



LADDER DETAIL

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

4 / S303

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Consulting Engineers
212 Old Grande Blvd., Suite C124
Tyler, Texas 75703
Office (903) 581-2551 Fax (903) 581-2552
Firm Registration No. F-12575

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
550 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2555 F 903.595.5972

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5/31/2011

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DONNA M. DIETZ
58252
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PROFESSIONAL ENGINEER

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NO.	SUBMISSION	DATE
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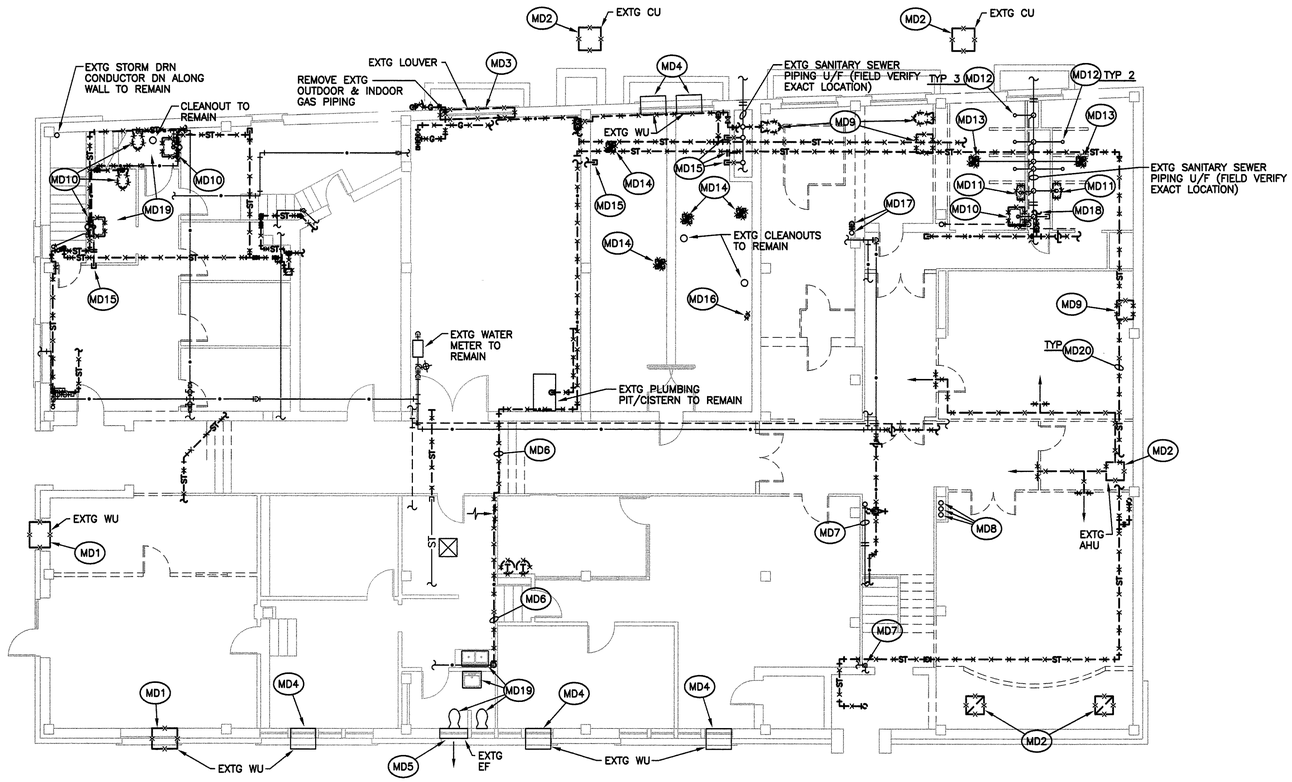
SHEET TITLE

FRAMING DETAILS

SHEET NO.

S303

05 Jul 11 - 10:42pm



LEVEL 1 FLOOR PLAN – MECHANICAL DEMOLITION

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

MECHANICAL DEMOLITION NOTES:

—×— —×— EXISTING TO BE REMOVED
——— EXISTING TO REMAIN

MD1 REMOVE AND DISCARD EXTG WINDOW A/C UNIT. PATCH OPENING PER ARCHITECT.

MD2 EXTG A/C UNIT AND ASSOCIATED CONDENSING UNIT SHALL BE REMOVED ENTIRELY. ALL SUPPORTS, DUCTWORK, GRILLES, PIPING BACK TO BLDG ENTRY, CONTROLS AND ELEC EQUIP SHALL BE REMOVED AND DISCARDED.

MD3 REMOVE AND DISCARD EXTG LOUVER. PATCH WALL/OPENING PER ARCHITECT.

MD4 EXTG WINDOW A/C UNIT TO REMAIN. PROTECT DURING DEMOLITION AND NEW CONSTRUCTION.

MD5 EXTG EXHAUST FAN TO REMAIN. PROTECT DURING DEMOLITION AND NEW CONSTRUCTION.

MD6 REMOVE EXTG DOM WATER PIPING ROUTED ACROSS FLR, AND REROUTE IN A CONCEALED LOCATION IF PIPING IS STILL IN USE (FIELD VERIFY).

MD7 EXTG EXPOSED PLUMBING PIPING TO REMAIN IN PLACE AND OPERATIONAL IF STILL IN USE. FIELD VERIFY. IF PIPING CAN BE CONFIRMED TO BE NO LONGER IN SERVICE, REMOVE EXPOSED PORTIONS, CAP AND ABANDON CONCEALED PIPING IN WALL, AND PATCH WALL PENETRATION TO MATCH. CONTRACTOR SHALL INCLUDE COST OF PIPE REMOVAL IN BID.

MD8 EXTG PLUMBING PIPING DN IN CHASE FROM 2ND FLR TO REMAIN IF STILL IN USE. FIELD VERIFY. REPAIR AS REQUIRED. IF PIPING CAN BE CONFIRMED TO BE NO LONGER IN SERVICE, REMOVE TO U/F, AND PATCH FLR TO MATCH. CONTRACTOR SHALL INCLUDE COST OF MORE EXPENSIVE OPTION IN BID.

MD9 REMOVE PLUMBING FIXTURE IN ITS ENTIRETY. CAP SEWER/WATER/VENT PIPING IN A CONCEALED LOCATION ABV CLG, U/S OR IN WALL/CHASE. PATCH FLR AND/OR WALL TO MATCH.

MD10 EXTG PLUMBING FIXTURE TO BE REPLACED. MODIFY EXTG ROUGH-IN AS REQUIRED TO ACCOMMODATE NEW FIXTURE LOCATION. REFERENCE SHEET P1.01.

MD11 REMOVE EXTG FLR MT URINAL. CAP SEWER PIPING U/F. REMOVE AND REPLACE EXTG DOMESTIC WATER SUPPLY PIPING. PATCH FLR TO MATCH AS DIRECTED BY STRUCTURAL ENGINEER.

MD12 EXTG WC SEWER ROUGH-IN TO REMAIN AND BE CLEANED AND PREPARED FOR CONNECTION TO NEW FIXTURE.

MD13 EXTG FLR DRN TO BE REPLACED. SAWCUT EXTG FLR AS REQUIRED. SAN SEWER DRN LINE U/S TO REMAIN AND BE RECONNECTED TO NEW FLR DRN.

MD14 REMOVE EXTG FLR DN/HUB DRN, AND CAP U/F. PATCH FLR TO MATCH.

MD15 REMOVE EXPOSED FIXTURE ROUGH-IN AND CAP IN A CONCEALED LOCATION U/S OR IN WALL/CHASE. PATCH FLR AND/OR WALL TO MATCH. DISCONNECT ANY DOM WATER BRANCH LINES TO ABANDONED ROUGH-IN FROM WATER SERVICE MAINS STILL IN USE AT THE MAIN, AND CAP. DO NOT LEAVE A DEAD LEG.

MD16 REMOVE PIPE STUB-UP TO U/F, AND CAP. PATCH FLR TO MATCH.

MD17 EXTG SEWER/STORM STACK LINE DN FROM UPPER FLR TO BE REROUTED TO ACCOMMODATE RENOVATIONS TO FLR PLAN. REFERENCE SHEET P1.01.

MD18 REMOVE AND REPLACE ALL EXTG DOM WATER PIPING IN CHASE.

MD19 EXTG PLUMBING FIXTURE TO REMAIN. PROTECT DURING DEMOLITION AND NEW CONSTRUCTION.

MD20 REMOVE AND DISCARD EXTG STEAM AND STEAM CONDENSATE PIPING, COMPLETE. RE: GENERAL MECHANICAL DEMOLITION NOTES.

GENERAL MECHANICAL DEMOLITION NOTES:

GMD1 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, LOCATION, SERVICE, ETC. OF ALL EXTG EQUIPMENT, PIPING, STRUCTURAL FRAMING, ETC. PRIOR TO ANY WORK. COORDINATE ANY DISCREPANCIES AND CONFLICTS WITH ARCHITECT AND ENGINEER.

GMD2 REMOVE ALL EXISTING ABANDONED PLUMBING PIPING AS REQUIRED FOR NEW MECHANICAL AND ELECTRICAL EQUIPMENT/DUCTWORK/PIPING/ETC. REROUTE EXISTING PLUMBING PIPING STILL IN USE AS REQUIRED TO ACCOMMODATE NEW MECHANICAL AND ELECTRICAL INSTALLATIONS AND FLOOR PLAN MODIFICATIONS.

GMD3 EXTG ABANDONED PLUMBING PIPING IN CONCEALED LOCATIONS SHALL BE REMOVED OR SHALL BE CLEARLY LABELED AS ABANDONED AND NO LONGER IN SERVICE.

GMD4 ALL EXTG PLUMBING PIPING STILL IN USE SHALL REMAIN IN PLACE AND OPERATIONAL, WHETHER INDICATED ON PLUMBING PLANS OR NOT, UNLESS REROUTING IS REQUIRED FOR NEW MECH AND ELEC SYSTEM COMPONENTS OR FLOOR PLAN MODIFICATIONS. EXISTING PIPING THAT IS DAMAGED OR UNFIT FOR REUSE SHALL BE REPAIRED OR REPLACED. FIELD VERIFY EXACT LOCATION AND CONDITION OF ALL EXTG PIPING.

GMD5 EXISTING OVERHEAD PLUMBING PIPING STILL IN USE THAT IS INSTALLED AT A LOWER ELEVATION THAN A NEW CEILING IN THAT AREA (REFERENCE ARCHITECTURAL PLANS) SHALL BE REROUTED AS REQUIRED TO CONCEAL THE PIPING ABOVE THE CEILING. FIELD VERIFY EXACT ELEVATION OF ALL EXTG PIPING.

GMD6 EXTG PLUMBING PIPING STILL IN USE SHALL NOT BE LEFT EXPOSED IN ANY NEWLY RENOVATED FINISHED SPACE WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT. REROUTE EXTG PLUMBING PIPING STILL IN USE AS REQUIRED IN RENOVATED SPACES SO THAT IT WILL BE CONCEALED. COORDINATE NEW CHASE/FURRING REQUIREMENTS WITH ARCHITECT. WHERE ARCHITECT ALLOWS EXTG PIPING TO REMAIN EXPOSED IN RENOVATED SPACES, COORDINATE WITH ARCHITECT ANY REQUIREMENTS FOR PAINTING OF PIPE.

GMD7 REMOVE ALL EXTG EXPOSED STEAM AND CONDENSATE RETURN PIPING IN BUILDING THAT IS WITHIN SCOPE OF PROJECT RENOVATIONS, REGARDLESS OF WHETHER IT IS INDICATED ON PLUMBING DEMOLITION PLANS, AND CAP IN A CONCEALED LOCATION. PATCH/REBUILD WALLS AND/OR FLRs TO MATCH. EXTG CONCEALED STEAM AND CONDENSATE RETURN PIPING THAT IS NOT REMOVED SHALL BE CLEARLY LABELED AS ABANDONED AND NO LONGER IN SERVICE.

GMD8 WHETHER SPECIFICALLY INDICATED OR NOT, EXTG VERTICAL UTILITY PIPING (WATER, WASTE, VENT, STORM, FIRE, ETC.) WHICH IS LOCATED IN A WALL OR CHASE WHICH IS BEING REMOVED BY THE ARCHITECTURAL DEMOLITION PLAN AND WHICH IS NOT BEING REMOVED IN ASSOCIATION WITH REMOVAL OF EXTG PLBG FIXTURES SHALL REMAIN. PROTECT DURING DEMOLITION. COORDINATE OFFSETTING OF THESE EXTG UTILITIES DURING CONSTRUCTION TO NEW WALLS/CHASES AS REQUIRED FOR CONCEALMENT. COORDINATE WITH ARCH AND OWNER.

GMD9 GENERAL MECHANICAL DEMOLITION NOTES SHALL APPLY TO ALL EXTG EXPOSED AND CONCEALED PLUMBING PIPING IN BLDG, REGARDLESS OF WHETHER IT APPEARS ON MECHANICAL OR PLUMBING PLANS.

P+A
PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 8564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2900
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

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320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

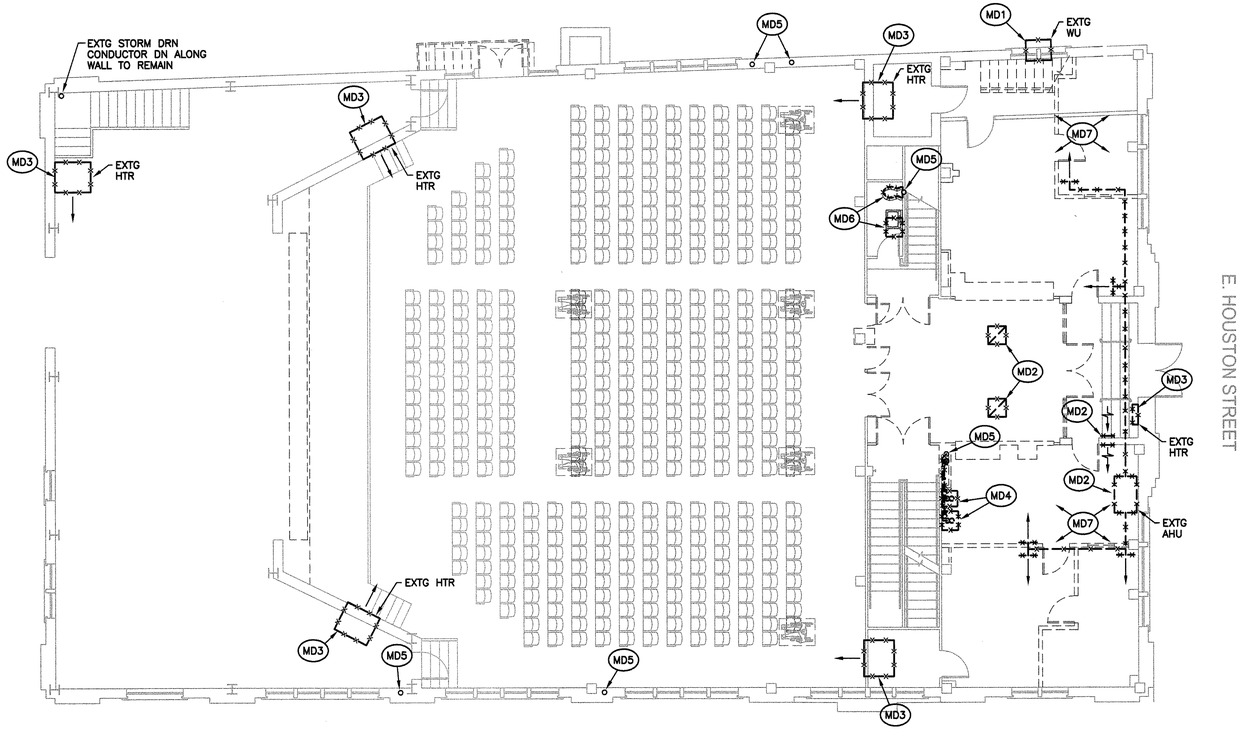
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STATE OF TEXAS
THOMAS G. SANDERS
85825
LICENSED
PROFESSIONAL ENGINEER

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

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SHEET TITLE
LEVEL 1
FLOOR PLAN
MECHANICAL DEMOLITION

SHEET NO.
MD1.01



N

LEVEL 2 FLOOR PLAN – MECHANICAL DEMOLITION

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

MECHANICAL DEMOLITION NOTES:

—*—*— EXISTING TO BE REMOVED
——— EXISTING TO REMAIN

MD1 REMOVE AND DISCARD EXTG WINDOW A/C UNIT. PATCH OPENING PER ARCHITECT.

MD2 EXTG A/C UNIT AND ASSOCIATED CONDENSING UNIT SHALL BE REMOVED ENTIRELY. ALL SUPPORTS, DUCTWORK, GRILLES, PIPING BACK TO BLDG ENTRY, CONTROLS AND ELEC EQUIPMENT SHALL BE REMOVED AND DISCARDED.

MD3 REMOVE AND DISCARD EXTG HEATER. CAP EXISTING PIPING IN CONCEALED LOCATION. PATCH WALL/OPENING PER ARCHITECT.

MD4 REMOVE PLUMBING FIXTURE IN ITS ENTIRETY. REMOVE WATER/WASTE PIPING INSIDE CHASE BEING DEMOLISHED, VENT PIPING ABV CLG AND SAN SEWER PIPING U/F TO REMAIN AND BE REUSED FOR NEW FIXTURES (REFERENCE SHEET P1.02. REMOVE/ABANDON EXTG WATER PIPING UP TO EXTG MAIN, AND CAP AT MAIN. DO NOT LEAVE A DEAD LEG. PATCH FLR TO MATCH EXTG AS DIRECTED BY ARCHITECT.

MD5 EXTG SEWER/VENT STACK TO REMAIN. FIELD VERIFY EXACT LOCATION.

MD6 EXTG PLUMBING FIXTURE TO BE REPLACED. MODIFY EXTG ROUGH-IN AS REQUIRED TO ACCOMMODATE NEW FIXTURE LOCATION. REFERENCE SHEET P1.02.

MD7 UNLESS APPROVED OTHERWISE IN WRITING BY ARCHITECT OR OWNER, REROUTE EXTG PIPING THAT IS STILL IN USE AS REQUIRED SO THAT PIPING IS CONCEALED IN ALL AREAS BEING RENOVATED TO HAVE EXPOSED EXPOSED STRUCTURE CEILINGS (REFERENCE ARCH RCP PLANS). FIELD VERIFY EXTG CONDITIONS, AND COORDINATE ALL NEW CHASE/FURRING REQUIREMENTS WITH ARCHITECT TO CONCEAL EXTG AND NEW PIPING WHERE REQUIRED.

MD8 REFERENCE SHEET MD1.01 FOR GENERAL MECHANICAL DEMOLITION NOTES.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85625
LICENSED
PROFESSIONAL ENGINEER

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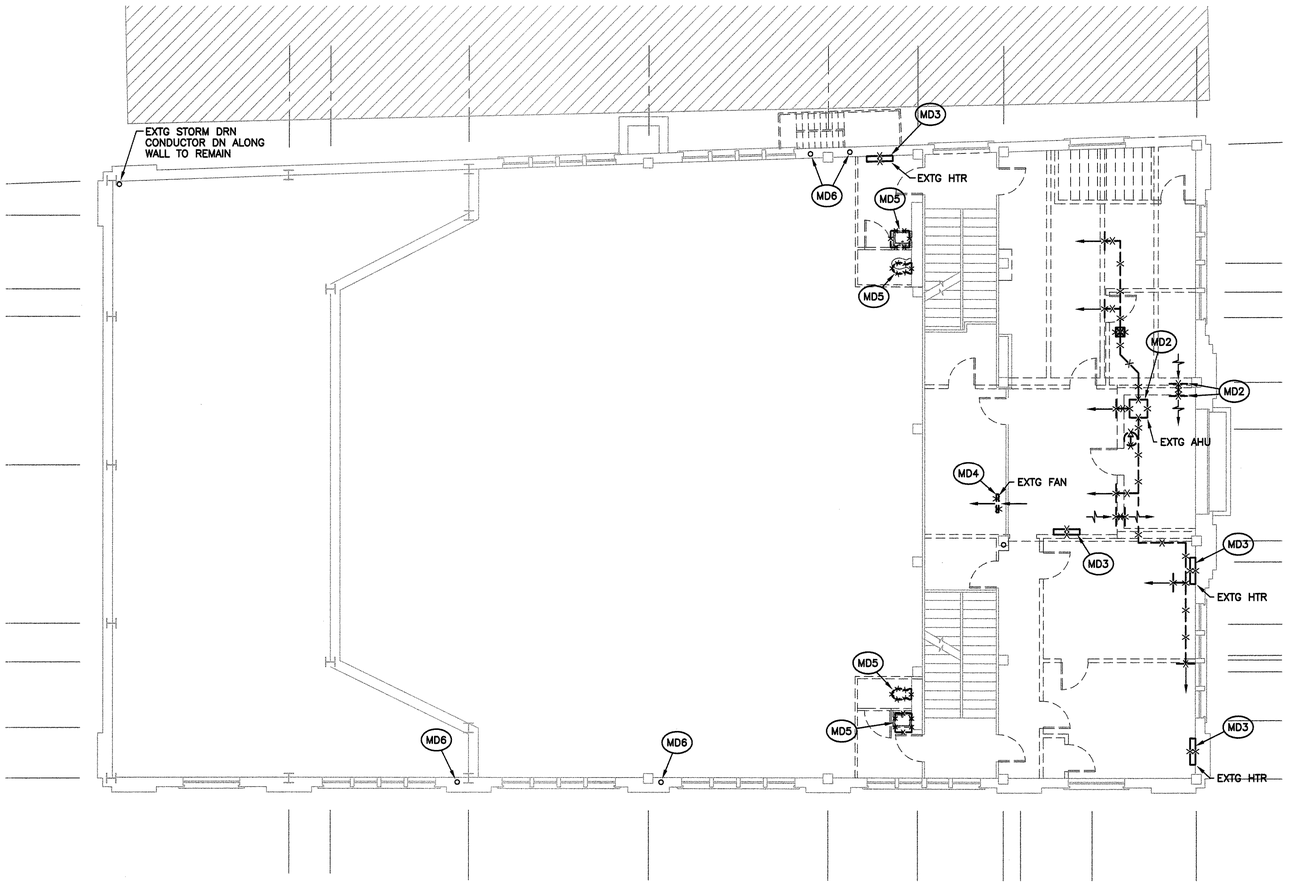
LEVEL 2
FLOOR PLAN
MECHANICAL DEMOLITION

SHEET NO.

MD1.02

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 8564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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LEVEL 3 FLOOR PLAN – MECHANICAL DEMOLITION

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

MECHANICAL DEMOLITION NOTES:

—X—X—X— EXISTING TO BE REMOVED
———— EXISTING TO REMAIN

MD1 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, LOCATION, SERVICE, ETC. OF ALL EXTG EQUIPMENT, PIPING, STRUCTURAL FRAMING, ETC. PRIOR TO ANY WORK. COORDINATE ANY DISCREPANCIES AND CONFLICTS WITH ARCHITECT AND ENGINEER.

MD2 EXTG A/C UNIT AND ASSOCIATED CONDENSING UNIT SHALL BE REMOVED ENTIRELY. ALL SUPPORTS, DUCTWORK, GRILLES, PIPING BACK TO BLDG ENTRY, CONTROLS AND ELEC EQUIPMENT SHALL BE REMOVED AND DISCARDED.

MD3 REMOVE AND DISCARD EXTG HEATER. CAP EXISTING PIPING IN CONCEALED LOCATION. PATCH WALL/OPENING PER ARCHITECT.

MD4 REMOVE AND DISCARD EXISTING FAN AND ASSOCIATED POWER AND CONTROLS.

MD5 REMOVE PLUMBING FIXTURE IN ITS ENTIRETY. CAP VENT, SEWER AND WATER PIPING IN A CONCEALED LOCATION IN WALL OR ABV/BELOW FLR. DISCONNECT EXTG DOM WATER BRANCH LINE SUPPLYING DEMOLISHED FIXTURE AT EXTG MAIN STILL IN USE, AND CAP. DO NOT LEAVE A DEAD LEG. REBUILD WALL AND/OR PATCH FLR TO MATCH EXTG AS DIRECTED BY ARCHITECT.

MD6 EXTG VENT STACK TO REMAIN. FIELD VERIFY EXACT LOCATION.

MD7 REFERENCE SHEET MD1.01 FOR GENERAL MECHANICAL DEMOLITION NOTES.

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85825
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PROFESSIONAL ENGINEER

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NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

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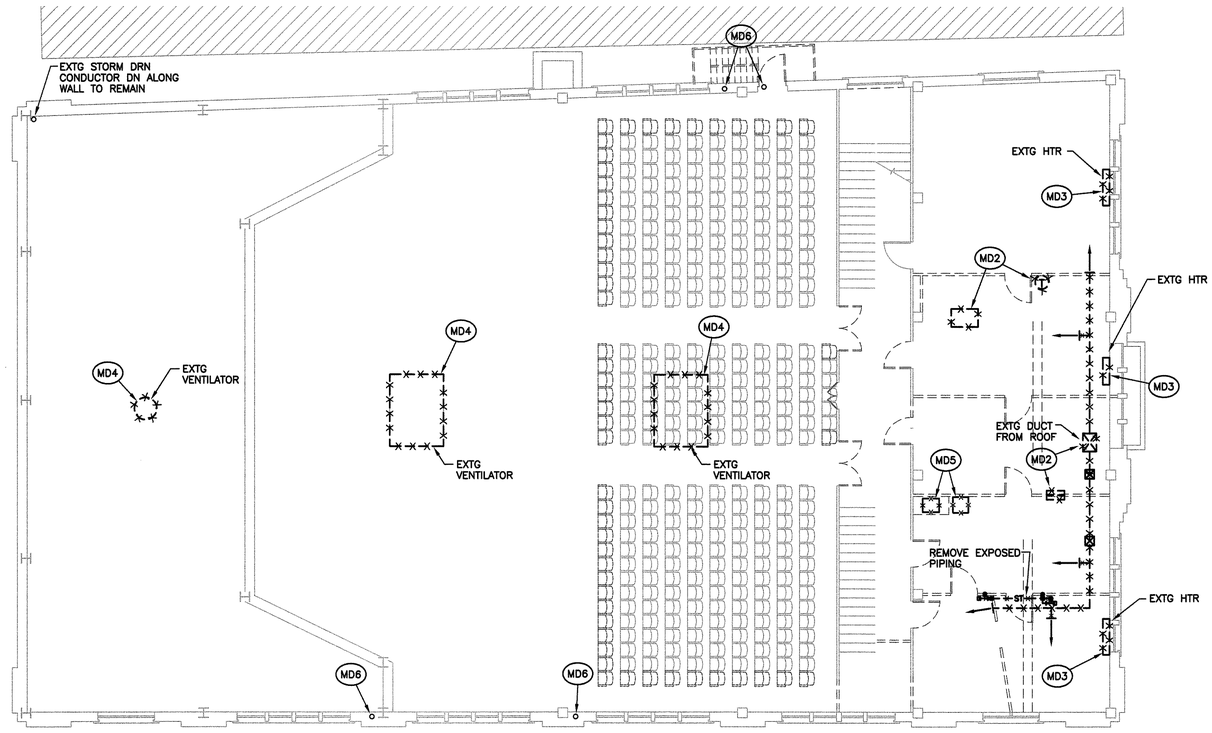
LEVEL 3
FLOOR PLAN
MECHANICAL DEMOLITION

SHEET NO.

MD1.03

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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LEVEL 4 FLOOR PLAN – MECHANICAL DEMOLITION

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

MECHANICAL DEMOLITION NOTES:

—x—x— EXISTING TO BE REMOVED
——— EXISTING TO REMAIN

MD1 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, LOCATION, SERVICE, ETC. OF ALL EXTG EQUIPMENT, PIPING, STRUCTURAL FRAMING, ETC. PRIOR TO ANY WORK. COORDINATE ANY DISCREPANCIES AND CONFLICTS WITH ARCHITECT AND ENGINEER.

MD2 EXTG RTU UNIT AND ASSOCIATED ROOF CURB SHALL BE REMOVED ENTIRELY. ALL SUPPORTS, DUCTWORK, GRILLES, PIPING BACK TO BLDG ENTRY, CONTROLS AND ELEC EQUIP SHALL BE REMOVED AND DISCARDED. PATCH ROOF PER ARCHITECTURAL PLANS.

MD3 REMOVE AND DISCARD EXTG HEATER. CAP EXISTING PIPING IN CONCEALED LOCATION. PATCH WALL/OPENING PER ARCHITECT.

MD4 EXTG ROOF VENTILATOR TO BE REMOVED. REFERENCE ARCHITECTURAL SHEETS FOR EXACT REQUIREMENTS.

MD5 REMOVE PLUMBING FIXTURE IN ITS ENTIRETY. REMOVE WATER/WASTE/VENT PIPING TO A CONCEALED LOCATION INSIDE WALL/ABV CLG/BELOW SLAB, AND CAP/ABANDON. REMOVE/ABANDON EXTG WATER PIPING UP TO EXTG MAIN STILL IN USE, AND CAP AT MAIN. DO NOT LEAVE A DEAD LEG. PATCH FLR TO MATCH EXTG AS DIRECTED BY ARCHITECT.

MD6 EXTG VENT STACK TO REMAIN. FIELD VERIFY EXACT LOCATION.

MD7 REFERENCE SHEET MD1.01 FOR GENERAL MECHANICAL DEMOLITION NOTES.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85825
LICENSED
PROFESSIONAL ENGINEER

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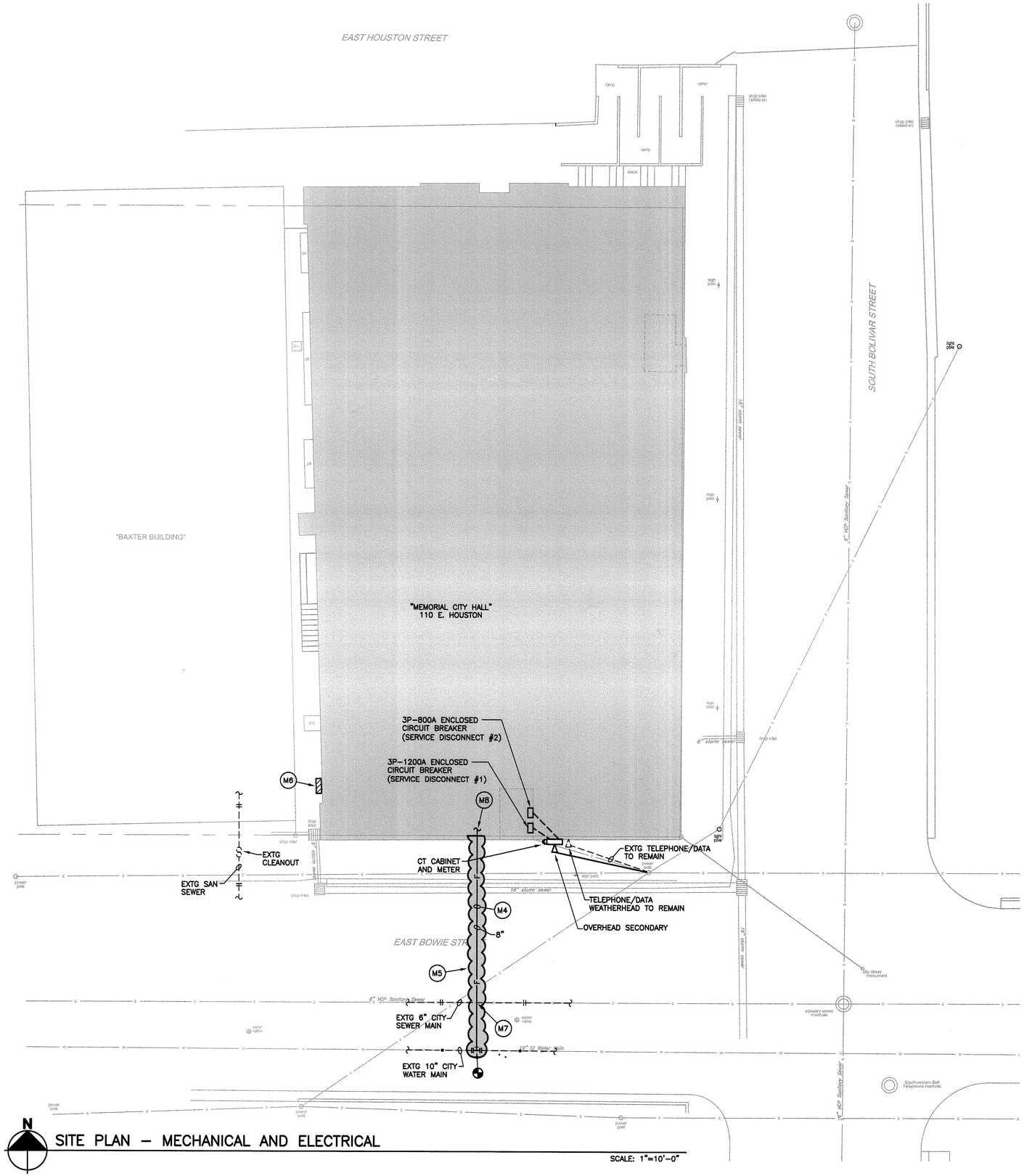
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SHEET TITLE
LEVEL 4
FLOOR PLAN
MECHANICAL DEMOLITION

SHEET NO.
MD1.04

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered
Engineering Firm #F-10120

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SITE PLAN – MECHANICAL AND ELECTRICAL

SCALE: 1"=10'-0"

MECHANICAL NOTES:

– – – – – EXISTING TO REMAIN.
———— NEW CONSTRUCTION.

M1 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, DEPTH, LOCATION, INVERT ELEVATION, ETC. OF ALL EXISTING UTILITIES PRIOR TO BID AND CONSTRUCTION. COORDINATE NEW DRAINAGE SYSTEM TIE–INs WITH EXTG SERVICE LINE INVERTS AND GRADE ELEVATIONS PRIOR TO WORK OF ANY KIND. CONTACT ARCHITECT/ENGINEER IMMEDIATELY WHERE ANY ELEVATION CONFLICTS ARISE.

M2 CONTRACTOR SHALL COORDINATE ALL SITE UTILITY SERVICES WITH LOCAL UTILITY COMPANIES PRIOR TO BID. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES AND COSTS ASSOCIATED WITH PROVIDING/REESTABLISHING NEW SERVICES (NATURAL GAS), RESTORING EXTG SERVICES (DOM WATER, ETC.) AND ANY ADDITIONAL UP CHARGES REQUIRED BY UTILITY PROVIDERS. CONTRACTOR SHALL CONTACT LOCAL UTILITY TO DETERMINE EXACT LOCATIONS OF UTILITIES AND ALL REQUIREMENTS OF THE UTILITY COMPANY SHALL BE INCLUDED IN BID.

M3 THERE MAY BE EXISTING U/G PLUMBING LINES NOT SHOWN ON SHEET. ALL EXISTING PLUMBING PIPING SYSTEMS MUST REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR SHALL PROMPTLY REPAIR ANY EXISTING PLUMBING PIPING NOT IN THE SCOPE OF THIS PROJECT THAT IS DAMAGED DURING CONSTRUCTION.

M4 PROVIDE THRUST BLOCKS ON WATER PIPING WHERE REQUIRED BY NFPA AND/OR LOCAL/STATE CODES.

M5 SAWCUT AND BREAKOUT EXTG PAVEMENT/CONCRETE FLATWORK AS REQUIRED BY NEW PIPING INSTALLATION. PATCH TO MATCH EXTG. COORDINATE ALL WORK WITH MARSHALL UTILITY DEPARTMENT.

M6 LOCAL GAS COMPANY (CENTERPOINT ENERGY) TO PROVIDE GAS METER WITH CAPACITY OF 1108 C.F.H. AT 5 PSI DELIVERY. REFERENCE SHEET P1.01 FOR APPROXIMATE LOCATION OF NEW METER. CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING ALL COSTS LEVIED BY GAS COMPANY AND CITY OF MARSHALL FOR ESTABLISHMENT OF NEW METER. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING PAVEMENT TO MATCH AT THE POINT WHERE NEW GAS SUPPLY LINE STUBS UP TO NEW METER. COORDINATE WITH LOCAL CENTERPOINT REP – CYNTHIA MESHELL (903–918–7044).

M7 PROVIDE REQUIRED MINIMUM INTERNATIONAL PLUMBING CODE SEPARATION BETWEEN WATER AND SEWER CROSSOVER LINES. FIELD VERIFY EXTG SEWER PIPING ELEVATION.

M8 REFERENCE SHEETS P1.01/FP1.01 FOR CONTINUATION OF UTILITY PIPING.

GAS METER LOAD BREAKDOWN
1108 C.F.H. – HVAC HEATING
TOTAL LOAD – 1108 C.F.H.

ELECTRICAL NOTES:

– – – – EXISTING TO REMAIN
———— NEW CONSTRUCTION

E1 CONTRACTOR SHALL CONTACT ALL LOCAL UTILITY COMPANIES AND COORDINATE ALL SITE UTILITY SERVICES PRIOR TO BID. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES AND COSTS ASSOCIATED WITH PROVIDING SERVICES AND ANY UP FRONT CHARGES REQUIRED BY UTILITY PROVIDERS AND SHALL BE INCLUDED IN BID. AEP/SWEPCO CONTACT: SCOTT HAMPTON 903–234–7333.

E2 CONTRACTOR SHALL COORDINATE THE EXTENSION, RELOCATION, OR REMOVAL OF OVERHEAD ELECTRICAL LINES AND POLES WITH UTILITY COMPANY AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH THESE SERVICES.

E3 CONTRACTOR SHALL COORDINATE THE REMOVAL OF ELECTRICAL SERVICES AND PROVISIONS FOR TEMPORARY SERVICE WITH AEP/SWEPCO.

E4 CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS OF ELECTRICAL SERVICE WITH OWNER A MINIMUM OF 2 WEEKS PRIOR TO PERFORMANCE OF WORK. ALL WORK ASSOCIATED WITH POWER OUTAGES SHALL BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS.

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

RICKEY L. WATSON 102755 LICENSED PROFESSIONAL ENGINEER

THOMAS G. SANDERS 85825 LICENSED PROFESSIONAL ENGINEER

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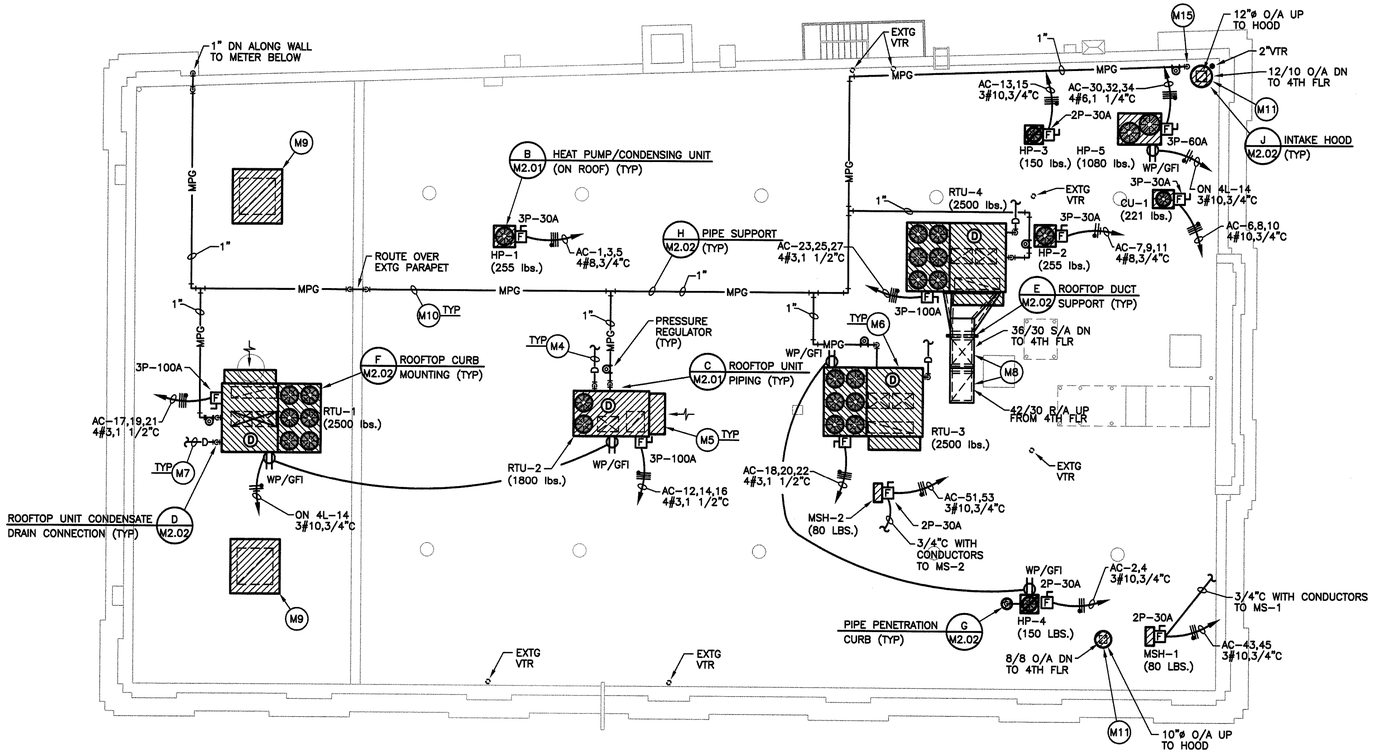
SITE PLAN
MECHANICAL AND
ELECTRICAL

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
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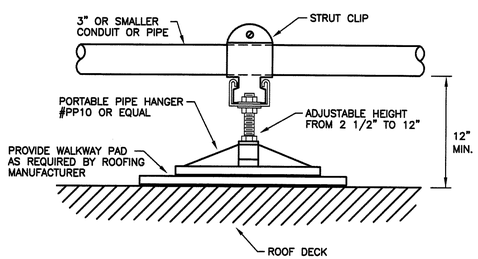
ME1.01



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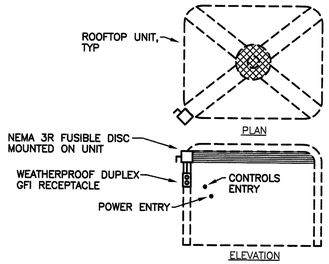
ROOF PLAN – MECHANICAL AND ELECTRICAL

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



A DETAIL – CONDUIT SUPPORT ON ROOF

NO SCALE



B DISCONNECT AND RECEPTACLE MOUNTING AT RTU

NO SCALE

MECHANICAL NOTES:

– – – – EXISTING TO REMAIN
——— NEW CONSTRUCTION

M1 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, LOCATION, ELEVATION, ETC. OF EXTG UTILITIES PRIOR TO START OF WORK. COORDINATE FOR RELOCATION/REROUTE OF ANY UTILITIES AFFECTED BY NEW SITE ELECTRICAL WORK. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS WITH NEW WORK.

M2 PAINT ALL EXPOSED PIPING, INSULATION, FITTINGS, ETC, TO MATCH ADJACENT FINISHES.

M3 PAINT NEW PIPING ITEMS (GAS PIPING, VTRs, ETC.) TO MATCH BUILDING EXTERIOR, ROOF OR WALL FINISHES, OR AS DIRECTED BY SPECIFICATION.

M4 PROVIDE PIPE SUPPORTS EQUAL TO PPH MODEL PP10 AS DETAILED WITH ROOF MEMBRANE PADS BENEATH AT MAX 4 FT CENTERS AND WITHIN 2 FT OF EACH CHANGE OF DIRECTION FOR CONDENSATE DRAIN PIPING AND AT 10 FT CENTERS AND WITHIN 2 FT OF EACH CHANGE OF DIRECTION FOR GAS PIPING. ELEVATE CONDENSATE DRAIN AS REQUIRED TO PROVIDE ADEQUATE SLOPE FOR PROPER DRAINAGE. ELEVATE GAS PIPING AS REQUIRED FOR DRIP LEG CLEARANCE.

M5 ROOFTOP EQUIPMENT LOCATIONS SHOWN ON THIS SHEET ARE INDICATED IN THEIR GENERAL AREA. THE CONTRACTOR SHALL COORDINATE ACTUAL LOCATIONS OF ROOFTOP EQUIPMENT ALONG WITH DUCTWORK PENETRATIONS WITH THE EXTG CONDITIONS AND STRUCTURAL PLANS FOR FINAL INSTALLATION. COORDINATE WITH EXTG ROOF MANUFACTURER SO AS NOT TO VOID ANY ROOF WARRANTIES. (TYP) COORDINATE EXACT LOCATIONS PRIOR TO ANY WORK WITH STRUCTURAL AND MECHANICAL ENGINEER.

M6 MODIFY EXTG ROOF AND PROVIDE OPENING AS REQUIRED TO FACILITATE INSTALLATION OF NEW ROOF CURB. PROVIDE NEW FRAMING AND SUPPORTS AS REQUIRED. INSTALLATION OF CURB SHALL BE COORDINATED WITH EXTG ROOF. ALL WORK, INCLUDING, BUT NOT LIMITED TO, CUTTING, PATCHING, SEALANTS, ETC. SHALL NOT DAMAGE EXTG ROOF. PATCH WITH SIMILAR MATERIALS TO MATCH EXTG, FLASH, COUNTERFLASH AND SEAL WEATHERTIGHT. (TYP)

M7 EXTEND FULL SIZE PROPERLY TRAPPED CONDENSATE DRAIN PIPING FROM EACH RTU TO NEAREST ROOF DRAIN OR VTR. PROVIDE VENTED "TEE" AT OPEN–SITE DRAIN TERMINATION. RE: DETAIL.

M8 ROUTE SUPPLY DUCT AND RETURN DUCT ON ROOF AND ENTER BLDG THROUGH WALL/ROOF. ALL EXTERIOR DUCTWORK SHALL BE A MINIMUM 16GA GALVANIZED STEEL WITH CONTINUOUS WELDED SEAMS AND WATER–BASED HARDCAST SEALANT. AFTER SEALANT HAS CURED, ALL DUCTWORK SHALL BE INSULATED WITH 1 1/2" THK MINIMUM, 3 LB/CU FT DENSITY RIGID BOARD INSULATION WITH FSK BACKING AND COMPLETELY ENCAPSULATED WITH .016" MINIMUM THK ALUMINUM JACKET WITH SOLVENT WELDED & BANDED SEAMS. THE TOP SIDE OF DUCTWORK SHALL BE PROVIDED WITH TAPERED INSULATION WITH A SLOPE OF 1/4" PER 1'–0". PAINT UNITS, JACKET & HARDWARE WITH (2) COATS RUST–INHIBITING PRIMER AND (2) COATS OIL–BASED RUST–PREVENTATIVE ENAMEL PAINT AS DIRECTED BY OWNER. PROVIDE ROOF CURB EQUAL TO A THYCURB MODEL TC–1 WITH ROOF FLASHING AND COUNTER FLASHING AT DUCT PENETRATIONS AT ROOF.

M9 PROVIDE TWO (2) AUTOMATIC UL AND FM APPROVED FIRE VENTS EQUAL TO BILCO 5'–6" x 6'–0" LV, 115' FUSIBLE LINK, EXTRUDED 11 GAUGE ALUMINUM COVER FRAME, FIXED CENTER DRAIN, GAS SPRINGS WITH INTEGRAL DAMPER, 1" RIGID FIBREBOND INSULATION, TRANSLUCENT STRUCTURED POLYCARBONATE GLAZING, PINTLE HINGE, WELDED GASKETED FRAME, AND PITCHED ROOF CURB COMPATIBLE WITH ROOF SYSTEM. PROVIDE PULL GRIPS WITH 1/8" DIA. STEEL CABLE ALLOWING OPENING FROM INSIDE AND OUTSIDE, COVER LATCH BRACKET AND GUIDE ARM. PROVIDE REMOTE MOTORIZED TESTING CONTROL PANEL TO BE LOCATED FOR ACCESS FROM THE STAGE. LOCATE PER ARCHITECTS DISCRETION. COORDINATE EXACT LOCATION OF FIRE VENTS WITH STRUCTURAL ENGINEER.

M10 PROVIDE GAS PIPING SUPPORTS ACROSS ROOF SPACED PER SPECIFICATIONS AND AS DETAILED.

M11 PROVIDE OUTSIDE AIR INTAKE HOOD EQUAL TO GREENHECK GRSI WITH BIRDSCREEN AND FACTORY ROOF CURB (COORDINATE CURB PITCH WITH ROOF). SIZE AS INDICATED. PROVIDE PAINT FINISH FOR HOOD AND CURB TO MATCH ROOF OR IN COLOR AS SELECTED BY ARCHITECT. TRANSITION FROM ROUND HOOD INLET TO RECTANGULAR DUCT SIZE IN DROP AS INDICATED.

M12 DO NOT INSTALL NEW HVAC UNIT OUTSIDE AIR INTAKES WITHIN 15'–0" OF ANY EXTG OR NEW VTRs.

M13 CAP AND SEAL ALL EXTG VTRs NO LONGER IN USE.

M14 PROVIDE PRESSURE TEST PORTS AND/OR SHUTOFF VALVE(S) AS REQUIRED TO ALLOW REGULAR TESTING OF ALL SEGMENTS OF GAS PIPING SYSTEM AS REQUIRED BY THE STATE OF TEXAS.

M15 3/4" LOW PRESSURE GAS PIPING DN THRU ROOF TO INSIDE BLDG. REFERENCE SHEET P1.04 FOR CONTINUATION.

ELECTRICAL NOTES:

E1 ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH–IN.

E2 ALL CONDUITS ON ROOF SHALL BE ON ROOF SUPPORTS. SEE DETAIL "A."

E3 INSTALL DISCONNECT AND RECEPTACLE ON ROOF TOP UNIT PER MANUFACTURER'S REQUIREMENTS. SEE DETAIL "B."

STATE OF TEXAS · RICKEY L. WATSON · 102756 · LICENSED PROFESSIONAL ENGINEER · 6/1/2011

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

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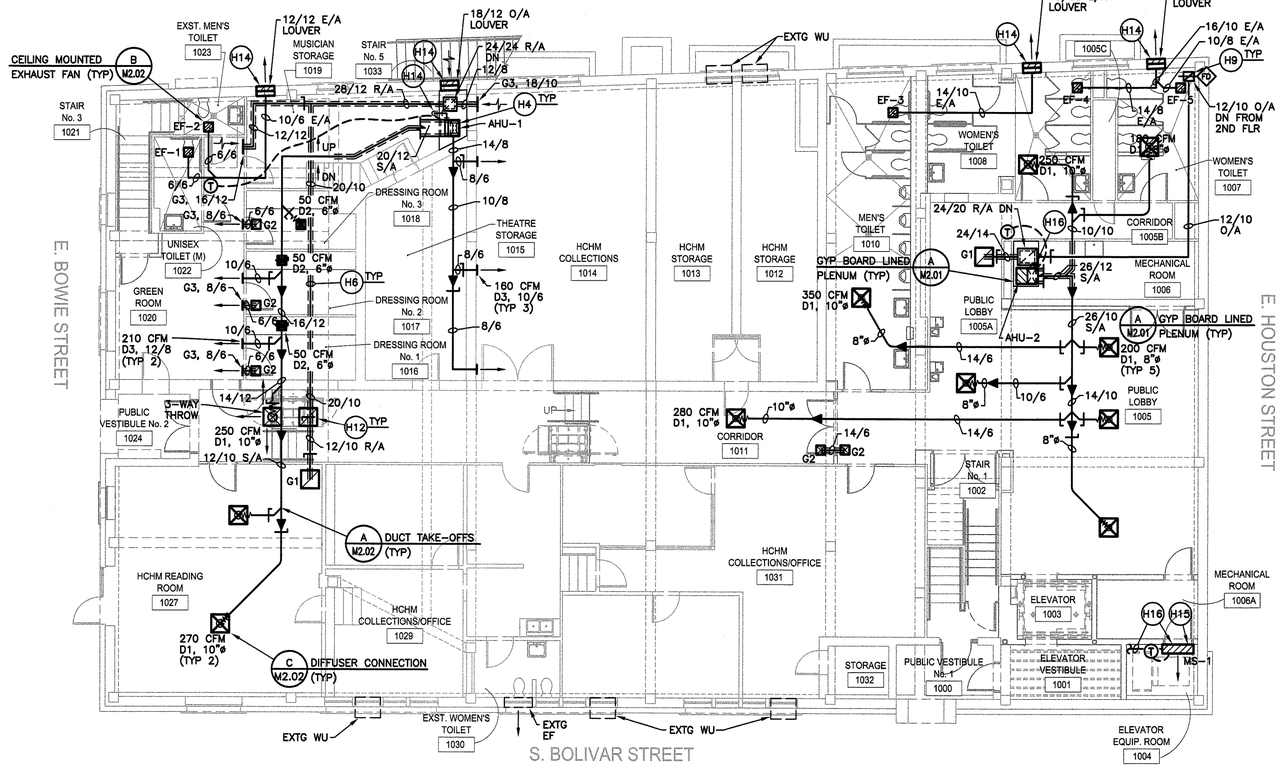
ROOF PLAN
MECHANICAL AND
ELECTRICAL

SHEET NO.

ME2.01

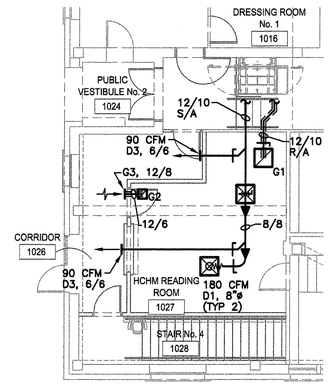
P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
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LEVEL 1 FLOOR PLAN – HVAC

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



PARTIAL FLOOR PLAN – ALTERNATE 1 – HVAC

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

HVAC NOTES:

---- EXISTING TO REMAIN
——— NEW CONSTRUCTION

H1 ALL DUCTWORK SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS.

H2 ALL AIR DEVICES SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE ABOVE WITH CEILING TIE WIRES.

H3 PROVIDE NECESSARY OFFSETS TO MAINTAIN MINIMUM 10'–0" DISTANCE BETWEEN O/A INTAKES AND PLUMBING VENTS, FLUES AND EXHAUST AIR OUTLETS. VERIFY EXACT LOCATIONS WITH ARCHITECT AND ENGINEER.

H4 PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL AHUs AND EFs.

H5 REPAIR AND PAINT ALL SURFACES WHERE EXTG EQUIPMENT WAS DEMOLISHED/REMOVED TO MATCH THE SURROUNDING EXTG SURFACES WITH LIKE MATERIAL. (TYP)

H6 ALL DUCTWORK AND EQUIPMENT SHALL BE INSTALLED AT HIGHEST ELEVATION ACHIEVABLE (TYP). COORDINATE DUCT ROUTING WITH EXTG LIGHTS, STRUCTURE, ETC.

H7 ALL FLEX DUCT SHALL BE FULLY EXTENDED, FREE OF KINKS, NO LONGER THAN 5'–0" AND SAME SIZE AS DIFFUSER NECK. BRANCH DUCT SIZE SAME AS DIFFUSER NECK SIZE.

H8 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, LOCATION, ETC. OF EXTG STRUCTURAL FRAMING AND CONDITIONS PRIOR TO UNIT INSTALLATION AND DUCTWORK FABRICATION.

H9 CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF PENETRATIONS AND DUCT DROPS WITH EXTG STRUCTURE, LIGHTING, CONDUIT, PIPING, ETC. RELOCATE, OFFSET, EXTEND AND RECONNECT EXTG CONDUIT, LIGHTING, PIPING, ETC. AS REQUIRED. (TYP)

H10 CONTRACTOR IS STRONGLY ADVISED TO VISIT SITE AND OBSERVE THE EXISTING CONDITIONS TO ESTIMATE RELOCATION OF CONDUITS, LIGHTS FOR REMOVAL AND REPLACEMENT WHERE NEEDED TO ALLOW INSTALLATION OF NEW DUCTWORK (TYP).

H11 THE CONTRACTOR SHALL PROVIDE AN HVAC SYSTEM IN STRICT ACCORDANCE WITH APPLICABLE EDITIONS OF NFPA 101 AND NFPA 90A.

H12 TRANSITION FROM FULL SIZE OF R/A GRILLE TO FULL SIZE OF R/A DUCT.

H13 COORDINATE ALL DIFFUSER AND GRILLE LOCATIONS WITH ARCHITECTURAL PLANS.

H14 PROVIDE DRAINABLE BLADE LOUVER EQUAL TO RUSKIN ELF6375DX, EXTRUDED ALUMINUM, MILL FINISH, FRONT BLADE STATIONARY, DRAINABLE, 0.081" THICK. PROVIDE BIRDSCREEN, BLADE AND JAMB SEALS, CLIP ANGLES AND EXTENDED SILL. FACTORY APPLIED KYNAR FINISH TO MATCH PAINT CHIP (FURNISHED BY OWNER/ARCHITECT). COORDINATE EXACT ELEVATION WITH ARCHITECT. TRANSITION ASSOCIATED OUTSIDE AIR OR EXHAUST AIR DUCT FULL SIZE OF LOUVER. LOUVER SIZE AS INDICATED. PROVIDE OBD IN O/A DUCT AT TAP INTO R/A PLENUM.

H15 COORDINATE EXACT MOUNTING LOCATION OF MINI–SPLIT AIR HANDLING UNIT WITH ELEVATOR EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT. MINI–SPLIT SYSTEM TO OPERATE CONTINUOUSLY.

H16 ROUTE FULL–SIZE, PROPERLY TRAPPED CONDENSATE DRAIN PIPING FROM AHU/MS AND TERMINATE OPEN–SITE AT FLOOR DRAIN/HUB DRAIN. RE: PLUMBING PLANS.

H17 COORDINATE ROUTING OF REFRIGERANT PIPING (RL/RS) UP THRU EXTG BUILDING TO HEAT PUMP CONDENSING UNITS ON ROOF. COORDINATE EXACT ROUTING WITH EXTG CONDITIONS AND NEW CONSTRUCTION FOR COMPLETE CONCEALMENT OF PIPING.

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

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320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

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THOMAS G. SANDERS
85825
LICENSED
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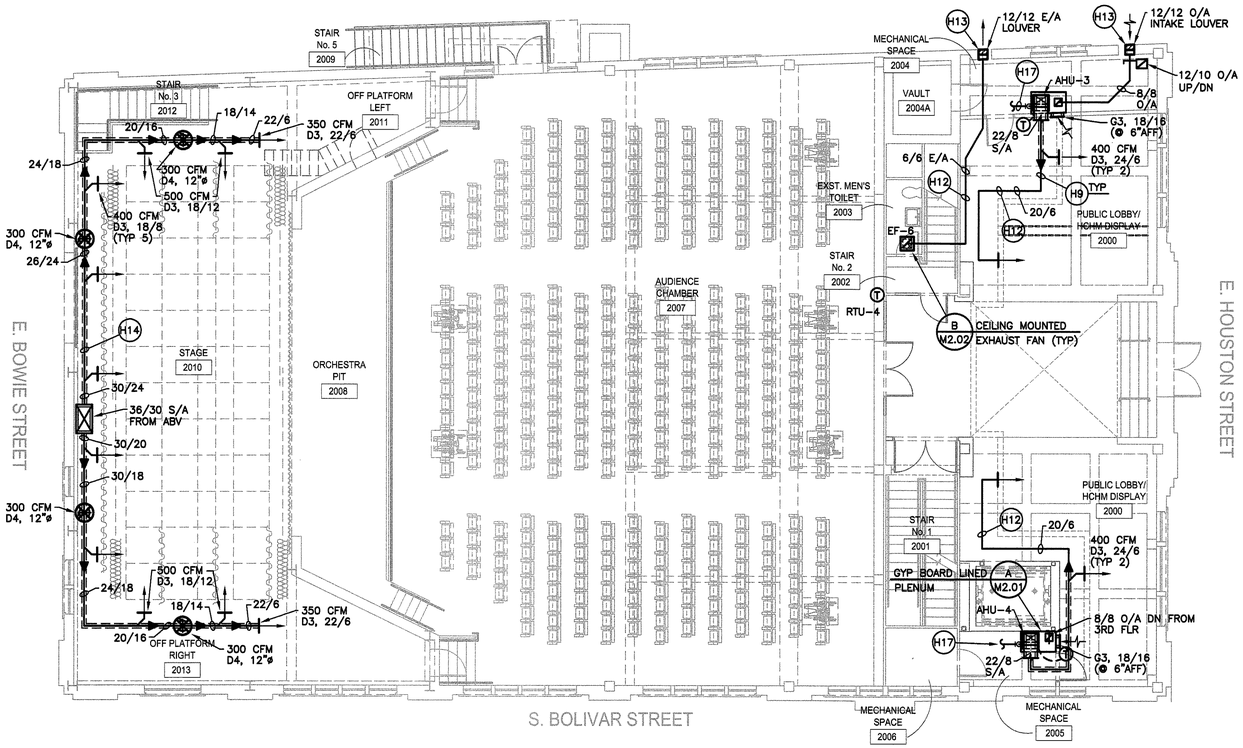
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SHEET TITLE
LEVEL 1
FLOOR PLANS
HVAC

SHEET NO.
M1.01

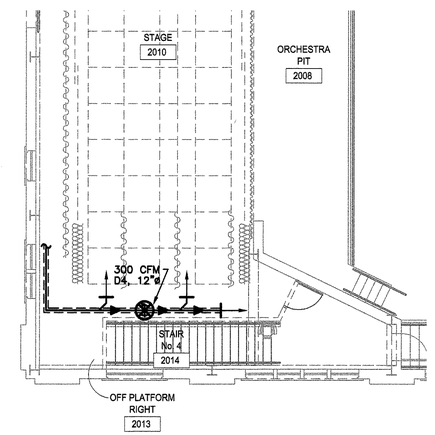
P+A
PURTLE + ASSOCIATES
CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA–10086
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LEVEL 2 FLOOR PLAN – HVAC

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



PARTIAL FLOOR PLAN – ALTERNATE NO. 1 – HVAC

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

HVAC NOTES:

- EXISTING TO REMAIN
- NEW CONSTRUCTION

H1 ALL DUCTWORK SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS.

H2 ALL AIR DEVICES SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE ABOVE WITH CEILING TIE WIRES.

H3 PROVIDE NECESSARY OFFSETS TO MAINTAIN MINIMUM 10'–0" DISTANCE BETWEEN O/A INTAKES AND PLUMBING VENTS, FLUES AND EXHAUST AIR OUTLETS. VERIFY EXACT LOCATIONS WITH ARCHITECT AND ENGINEER.

H4 PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL AHUs AND EFs.

H5 REPAIR AND PAINT ALL SURFACES WHERE EXTG EQUIPMENT WAS DEMOLISHED/REMOVED TO MATCH THE SURROUNDING EXTG SURFACES WITH LIKE MATERIAL. (TYP)

H6 ALL DUCTWORK AND EQUIPMENT SHALL BE INSTALLED AT HIGHEST ELEVATION ACHIEVABLE (TYP). COORDINATE DUCT ROUTING WITH EXTG LIGHTS, STRUCTURE, ETC.

H7 ALL FLEX DUCT SHALL BE FULLY EXTENDED, FREE OF KINKS, NO LONGER THAN 5'–0" AND SAME SIZE AS DIFFUSER NECK. BRANCH DUCT SIZE SAME AS DIFFUSER NECK SIZE.

H8 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, LOCATION, ETC. OF EXTG STRUCTURAL FRAMING AND CONDITIONS PRIOR TO UNIT INSTALLATION AND DUCTWORK FABRICATION.

H9 CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF PENETRATIONS AND DUCT DROPS WITH EXTG STRUCTURE, LIGHTING, CONDUIT, PIPING, ETC. RELOCATE, OFFSET, EXTEND AND RECONNECT EXTG CONDUIT, LIGHTING, PIPING, ETC. AS REQUIRED. (TYP)

H10 CONTRACTOR IS STRONGLY ADVISED TO VISIT SITE AND OBSERVE THE EXISTING CONDITIONS TO ESTIMATE RELOCATION OF CONDUITS, LIGHTS FOR REMOVAL AND REPLACEMENT WHERE NEEDED TO ALLOW INSTALLATION OF NEW DUCTWORK (TYP).

H11 THE CONTRACTOR SHALL PROVIDE AN HVAC SYSTEM IN STRICT ACCORDANCE WITH APPLICABLE EDITION OF NFPA 101.

H12 CONCEAL DUCTWORK IN FURRDOWN. COORDINATE EXACT FURRDOWN LOCATION AND SIZE WITH ARCHITECTURAL PLANS.

H13 PROVIDE DRAINABLE BLADE LOUVER EQUAL TO RUSKIN ELF6375DX, EXTRUDED ALUMINUM, MILL FINISH, FRONT BLADE STATIONARY, DRAINABLE, 0.081" THICK. PROVIDE BIRDSCREEN, BLADE AND JAMB SEALS, CLIP ANGLES AND EXTENDED SILL. FACTORY APPLIED KYNAR FINISH TO MATCH PAINT CHIP (FURNISHED BY OWNER/ARCHITECT). COORDINATE EXACT ELEVATION WITH ARCHITECT. TRANSITION ASSOCIATED OUTSIDE AIR OR EXHAUST AIR DUCT FULL SIZE OF LOUVER. LOUVER SIZE AS INDICATED.

H14 COORDINATE EXACT DUCTWORK ROUTING WITH DRAPERY AND TRACKS AND PIPE GRID ABOVE STAGE. INSTALL DUCTWORK AT ELEVATION TO WHERE IT WILL NOT BE VISIBLE FROM THE AUDITORIUM. INSTALL S/A DUCT A MINIMUM OF 18' AFF. COORDINATE EXACT HEIGHT WITH ARCHITECTURAL PLANS AND PIPE GRID. EXPOSED RECTANGULAR DUCT AT STAGE SHALL BE PAINT–GRIP GALVANIZED STEEL, INTERNALLY LINED WITH 1" THICK INSULATION. RE: SPECIFICATIONS. PAINT DUCTWORK AND GRILLES/REGISTERS TO MATCH WALL/CEILING OR AS DIRECTED BY ARCHITECT.

H15 COORDINATE ROUTING OF REFRIGERANT PIPING (RL/RS) UP THRU EXTG BLDG TO HEAT PUMP CONDENSING UNITS ON ROOF. COORDINATE EXACT ROUTING WITH EXTG CONDITIONS AND NEW CONSTRUCTION FOR COMPLETE CONCEALMENT OF PIPING.

H16 COORDINATE ALL DIFFUSERS AND GRILLE LOCATIONS WITH ARCHITECTURAL PLANS.

H17 ROUTE FULL–SIZE, PROPERLY TRAPPED CONDENSATE DRAIN PIPING FROM AHU/MS AND TERMINATE OPEN–SITE AT FLOOR DRAIN/HUB DRAIN. RE: PLUMING PLANS.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85825
LICENSED
PROFESSIONAL ENGINEER
SEAL

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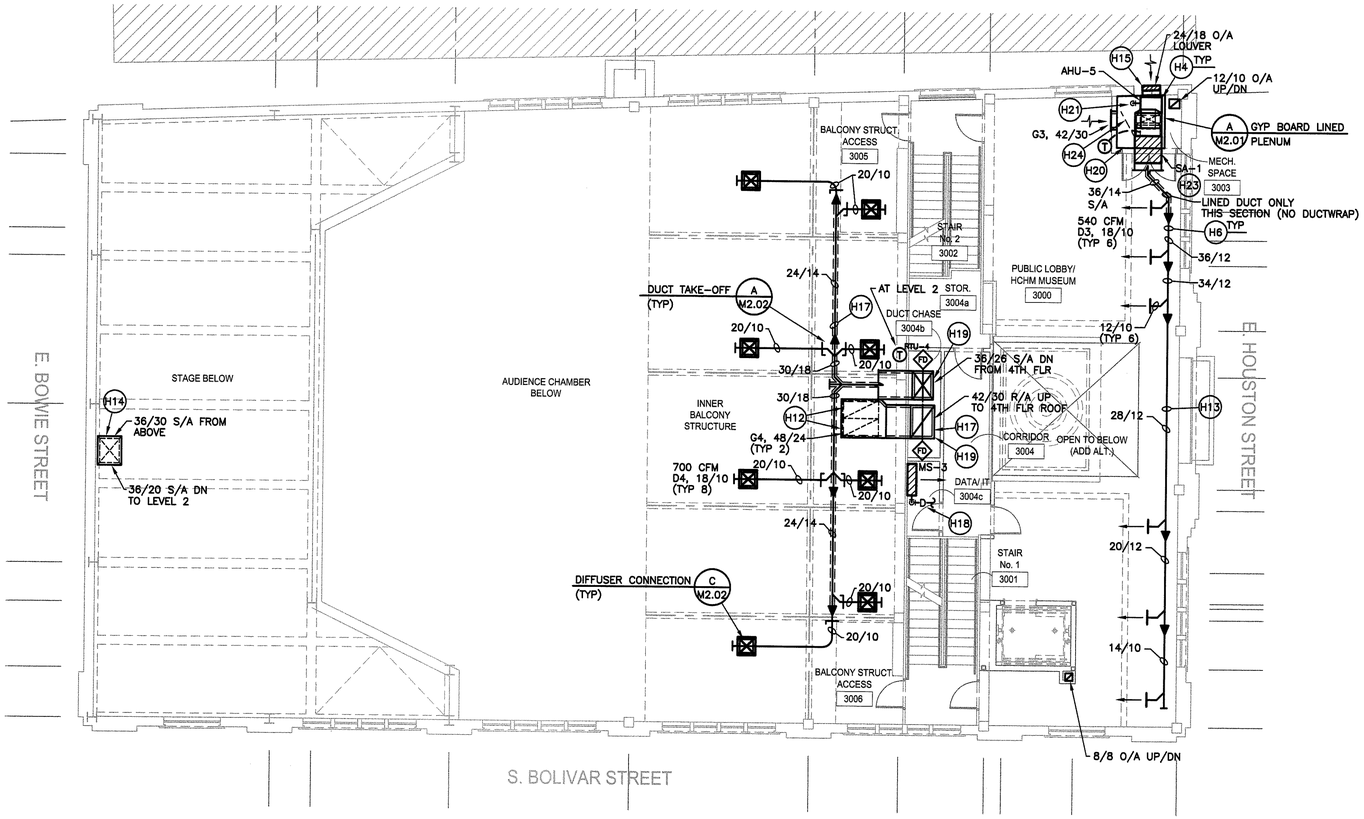
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SHEET TITLE
LEVEL 2
FLOOR PLANS
HVAC

SHEET NO.
M1.02

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA–10086
Texas Registered Engineering Firm #F–10120

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N

LEVEL 3 FLOOR PLAN – HVAC

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

HVAC NOTES:

---- EXISTING TO REMAIN
———— NEW CONSTRUCTION

H1 ALL DUCTWORK SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS.

H2 ALL AIR DEVICES SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE ABOVE WITH CEILING TIE WIRES.

H3 PROVIDE NECESSARY OFFSETS TO MAINTAIN MINIMUM 10'–0" DISTANCE BETWEEN O/A INTAKES AND PLUMBING VENTS, FLUES AND EXHAUST AIR OUTLETS. VERIFY EXACT LOCATIONS WITH ARCHITECT AND ENGINEER.

H4 PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL AHUs AND EFs.

H5 REPAIR AND PAINT ALL SURFACES WHERE EXTG EQUIPMENT WAS DEMOLISHED/REMOVED TO MATCH THE SURROUNDING EXTG SURFACES WITH LIKE MATERIAL. (TYP)

H6 ALL DUCTWORK AND EQUIPMENT SHALL BE INSTALLED AT HIGHEST ELEVATION ACHIEVABLE (TYP). COORDINATE DUCT ROUTING WITH EXTG LIGHTS, STRUCTURE, ETC.

H7 ALL FLEX DUCT SHALL BE FULLY EXTENDED, FREE OF KINKS, NO LONGER THAN 5'–0" AND SAME SIZE AS DIFFUSER NECK. BRANCH DUCT SIZE SAME AS DIFFUSER NECK SIZE.

H8 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, LOCATION, ETC. OF EXTG STRUCTURAL FRAMING AND CONDITIONS PRIOR TO UNIT INSTALLATION AND DUCTWORK FABRICATION.

H9 CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF PENETRATIONS AND DUCT DROPS WITH EXTG STRUCTURE, LIGHTING, CONDUIT, PIPING, ETC. RELOCATE, OFFSET, EXTEND AND RECONNECT EXTG CONDUIT, LIGHTING, PIPING, ETC. AS REQUIRED. (TYP)

H10 CONTRACTOR IS STRONGLY ADVISED TO VISIT SITE AND OBSERVE THE EXISTING CONDITIONS TO ESTIMATE RELOCATION OF CONDUITS, LIGHTS FOR REMOVAL AND REPLACEMENT WHERE NEEDED TO ALLOW INSTALLATION OF NEW DUCTWORK (TYP).

H11 THE CONTRACTOR SHALL PROVIDE AN HVAC SYSTEM IN STRICT ACCORDANCE WITH APPLICABLE EDITION OF NFPA 101.

H12 TRANSITION FROM FULL SIZE OF R/A GRILLE TO FULL SIZE OF R/A DUCT R/A DUCT PLENUM HEIGHT TO BE 28".

H13 CONCEAL DUCTWORK IN FURRDOWN. COORDINATE EXACT FURRDOWN LOCATION AND SIZE WITH ARCHITECTURAL PLANS.

H14 COORDINATE EXACT DUCTWORK ROUTING WITH DRAPERY TRACKS AND PIPE GRID ABOVE STAGE.

H15 PROVIDE DRAINABLE BLADE LOUVER EQUAL TO RUSKIN ELF6375DX, EXTRUDED ALUMINUM, MILL FINISH, FRONT BLADE STATIONARY, DRAINABLE, 0.081" THICK. PROVIDE BIRDSCREEN, BLADE AND JAMB SEALS, CLIP ANGLES AND EXTENDED SILL. FACTORY APPLIED KYNAR FINISH TO MATCH PAINT CHIP (FURNISHED BY OWNER/ARCHITECT). COORDINATE EXACT ELEVATION WITH ARCHITECT. TRANSITION ASSOCIATED OUTSIDE AIR DUCT FULL SIZE OF LOUVER. LOUVER SIZE AS INDICATED. PROVIDE OBD IN O/A DUCT TAP INTO R/A PLENUM.

H16 COORDINATE ALL DIFFUSERS AND GRILLE LOCATIONS WITH ARCHITECTURAL PLANS.

H17 ROUTE S/A AND R/A DUCTWORK FOR RTU–4 IN ATTIC SPACE BELOW BALCONY SEATING. COORDINATE EXACT ROUTING WITH BALCONY STRUCTURE. PROVIDE OFFSETS AS REQUIRED WHETHER OR NOT SPECIFICALLY INDICATED ON PLANS.

H18 COORDINATE EXACT MOUNT HEIGHT AND LOCATION OF MS–3 IN "IT" ROOM WITH EQUIPMENT LOCATIONS, STRUCTURE, ETC. ROUTE FULL–SIZE CONDENSATE DRAIN PIPING FROM MS–3 O/H/ABOVE CEILING. RE: PLUMBING PLANS.

H19 PROVIDE FIRE DAMPER AT VERTICAL DUCT PENETRATION OF 4TH FLOOR SLAB AT BOTTOM OF CHASE.

H20 COORDINATE EXACT LOCATION OF AHU AND PLENUM WITH MECHANICAL ROOM AND DOOR CONFIGURATION TO PROVIDE FULL ACCESS FOR AHU.

H21 ROUTE FULL SIZE, PROPERLY TRAPPED CONDENSATE DRAIN PIPING FROM AHU AND TERMINATE OPEN–SITE AT HUB DRAIN. RE: PLUMBING PLANS.

H22 COORDINATE ROUTING OF REFRIGERANT PIPING (RL/RS) UP THRU EXTG BLDG TO HEAT PUMP CONDENSING UNITS ON ROOF. COORDINATE EXACT ROUTING WITH EXTG CONDITIONS AND NEW CONSTRUCTION FOR COMPLETE CONCEALMENT OF PIPING.

H23 SUPPLY DUCT SOUND ATTENUATOR EQUAL TO IAC35, 36"x24", 36" LENGTH, 3240 CFM, 0.15 P.D. 7 OCTAVE BAND ATTENUATION OF 5,9,15,30,37,35,27db, RESPECTIVELY.

H24 PROVIDE FULL HEIGHT SHEET METAL BAFFLE IN R/A PLENUM WITH 1"DUCT LINER FOR AIRFLOW/SOUND ATTENUATION.

GENERAL MECHANICAL DEMOLITION NOTES:

GMD1 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, LOCATION, SERVICE, ETC. OF ALL EXTG EQUIPMENT, PIPING, STRUCTURAL FRAMING, ETC. PRIOR TO ANY WORK. COORDINATE ANY DISCREPANCIES AND CONFLICTS WITH ARCHITECT AND ENGINEER.

GMD2 REMOVE ALL EXISTING ABANDONED PLUMBING PIPING AS REQUIRED FOR NEW MECHANICAL AND ELECTRICAL EQUIPMENT/DUCTWORK/PIPING/ETC. REROUTE EXISTING PLUMBING PIPING STILL IN USE AS REQUIRED TO ACCOMMODATE NEW MECHANICAL AND ELECTRICAL INSTALLATIONS AND FLOOR PLAN MODIFICATIONS.

GMD3 EXTG ABANDONED PLUMBING PIPING IN CONCEALED LOCATIONS SHALL BE REMOVED OR SHALL BE CLEARLY LABELED AS ABANDONED AND NO LONGER IN SERVICE.

GMD4 ALL EXTG PLUMBING PIPING STILL IN USE SHALL REMAIN IN PLACE AND OPERATIONAL, WHETHER INDICATED ON PLUMBING PLANS OR NOT, UNLESS REROUTING IS REQUIRED FOR NEW MECH AND ELEC SYSTEM COMPONENTS OR FLOOR PLAN MODIFICATIONS. EXISTING PIPING THAT IS DAMAGED OR UNFIT FOR REUSE SHALL BE REPAIRED OR REPLACED. FIELD VERIFY EXACT LOCATION AND CONDITION OF ALL EXTG PIPING.

GMD5 EXISTING OVERHEAD PLUMBING PIPING STILL IN USE THAT IS INSTALLED AT A LOWER ELEVATION THAN A NEW CEILING IN THAT AREA (REFERENCE ARCHITECTURAL PLANS) SHALL BE REROUTED AS REQUIRED TO CONCEAL THE PIPING ABOVE THE CEILING. FIELD VERIFY EXACT ELEVATION OF ALL EXTG PIPING.

GMD6 EXTG PLUMBING PIPING STILL IN USE SHALL NOT BE LEFT EXPOSED IN ANY NEWLY RENOVATED FINISHED SPACE WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT. REROUTE EXTG PLUMBING PIPING STILL IN USE AS REQUIRED IN RENOVATED SPACES SO THAT IT WILL BE CONCEALED. COORDINATE NEW CHASE/FURRING REQUIREMENTS WITH ARCHITECT. WHERE ARCHITECT ALLOWS EXTG PIPING TO REMAIN EXPOSED IN RENOVATED SPACES, COORDINATE WITH ARCHITECT ANY REQUIREMENTS FOR PAINTING OF PIPE.

GMD7 REMOVE ALL EXTG EXPOSED STEAM AND CONDENSATE RETURN PIPING IN BUILDING THAT IS WITHIN SCOPE OF PROJECT RENOVATIONS, REGARDLESS OF WHETHER IT IS INDICATED ON PLUMBING DEMOLITION PLANS, AND CAP IN A CONCEALED LOCATION. PATCH/REBUILD WALLS AND/OR FLRs TO MATCH. EXTG CONCEALED STEAM AND CONDENSATE RETURN PIPING THAT IS NOT REMOVED SHALL BE CLEARLY LABELED AS ABANDONED AND NO LONGER IN SERVICE.

GMD8 WHETHER SPECIFICALLY INDICATED OR NOT, EXTG VERTICAL UTILITY PIPING (WATER, WASTE, VENT, STORM, FIRE, ETC.) WHICH IS LOCATED IN A WALL OR CHASE WHICH IS BEING REMOVED BY THE ARCHITECTURAL DEMOLITION PLAN AND WHICH IS NOT BEING REMOVED IN ASSOCIATION WITH REMOVAL OF EXTG PLBG FIXTURES SHALL REMAIN. PROTECT DURING DEMOLITION. COORDINATE OFFSETTING OF THESE EXTG UTILITIES DURING CONSTRUCTION TO NEW WALLS/CHASES AS REQUIRED FOR CONCEALMENT. COORDINATE WITH ARCH AND OWNER.

P+A
PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA–10086
Texas Registered Engineering Firm #F–10120

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85625
LICENSED
PROFESSIONAL ENGINEER
SEAL

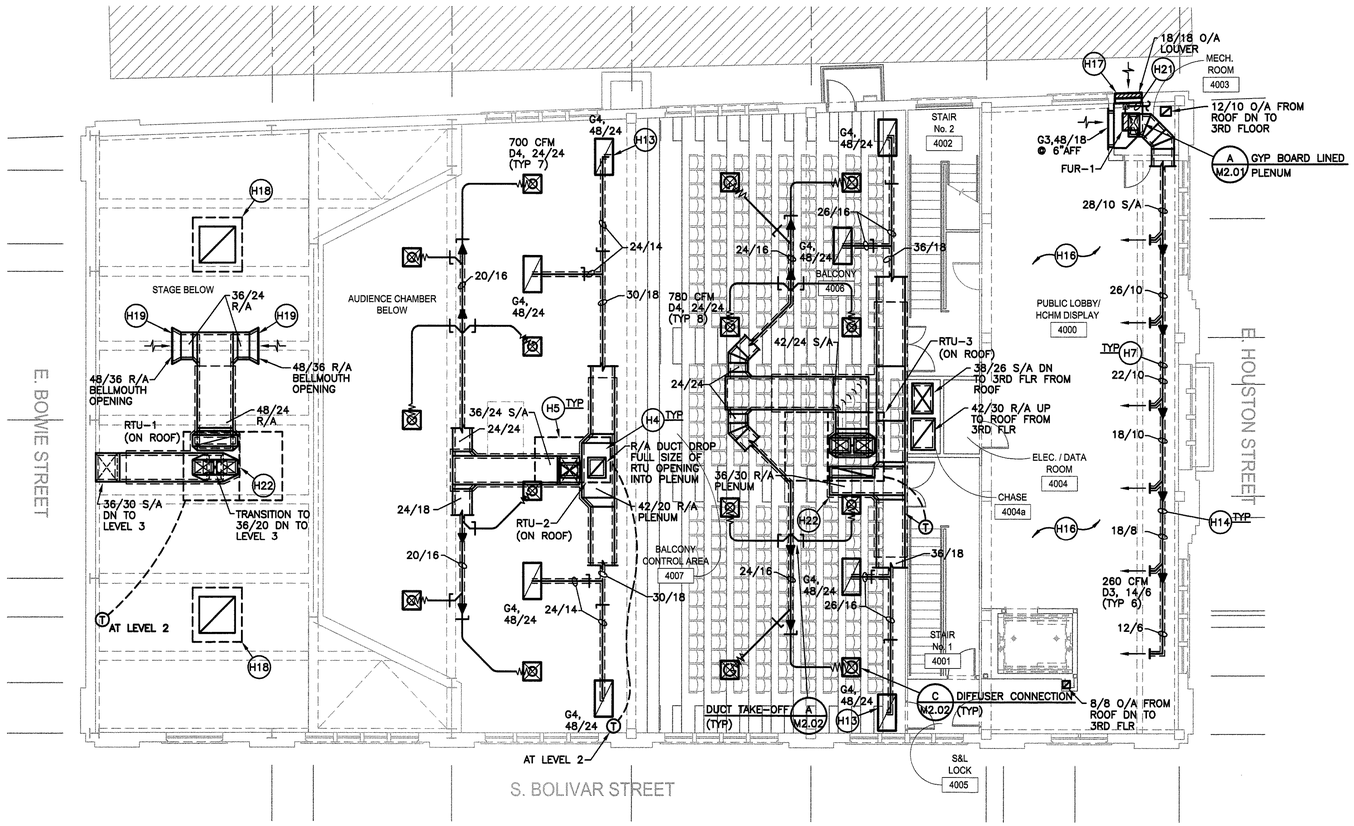
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	CONSTRUCTION DOCUMENTS	31 MAY 2011

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PROJECT NO. 10-001

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SHEET TITLE
LEVEL 3
FLOOR PLAN
HVAC

SHEET NO.
M1.03



N

LEVEL 4 FLOOR PLAN – HVAC

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

HVAC NOTES:

EXISTING TO REMAIN
NEW CONSTRUCTION

H1 ALL DUCTWORK SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS.

H2 ALL AIR DEVICES SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE ABOVE WITH CEILING TIE WIRES.

H3 PROVIDE NECESSARY OFFSETS TO MAINTAIN MINIMUM 10'-0" DISTANCE BETWEEN O/A INTAKES AND PLUMBING VENTS, FLUES AND EXHAUST AIR OUTLETS. VERIFY EXACT LOCATIONS WITH ARCHITECT AND ENGINEER.

H4 PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL RTUs.

H5 ROOFTOP EQUIPMENT LOCATIONS SHOWN ON THIS SHEET ARE INDICATED IN THEIR GENERAL AREA. THE CONTRACTOR SHALL COORDINATE ACTUAL LOCATIONS OF ROOFTOP EQUIPMENT ALONG WITH DUCTWORK PENETRATIONS WITH THE EXTG CONDITIONS AND STRUCTURAL PLANS FOR FINAL INSTALLATION.

H6 REPAIR AND PAINT ALL SURFACES WHERE EXTG EQUIPMENT WAS DEMOLISHED/REMOVED TO MATCH THE SURROUNDING EXTG SURFACES WITH LIKE MATERIAL. (TYP)

H7 ALL DUCTWORK AND EQUIPMENT SHALL BE INSTALLED AT HIGHEST ELEVATION ACHIEVABLE (TYP). COORDINATE DUCT ROUTING WITH EXTG LIGHTS, STRUCTURE, ETC.

H8 ALL FLEX DUCT SHALL BE FULLY EXTENDED, FREE OF KINKS, NO LONGER THAN 5'-0" AND SAME SIZE AS DIFFUSER NECK. BRANCH DUCT SIZE SAME AS DIFFUSER NECK SIZE.

H9 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, LOCATION, ETC. OF EXTG STRUCTURAL FRAMING AND CONDITIONS PRIOR TO UNIT INSTALLATION AND DUCTWORK FABRICATION.

H10 CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF PENETRATIONS AND DUCT DROPS WITH EXTG STRUCTURE, LIGHTING, CONDUIT, PIPING, ETC. RELOCATE, OFFSET, EXTEND AND RECONNECT EXTG CONDUIT, LIGHTING, PIPING, ETC. AS REQUIRED. (TYP)

H11 CONTRACTOR IS STRONGLY ADVISED TO VISIT SITE AND OBSERVE THE EXISTING CONDITIONS TO ESTIMATE RELOCATION OF CONDUITS, LIGHTS FOR REMOVAL AND REPLACEMENT WHERE NEEDED TO ALLOW INSTALLATION OF NEW DUCTWORK (TYP).

H12 THE CONTRACTOR SHALL PROVIDE AN HVAC SYSTEM IN STRICT ACCORDANCE WITH APPLICABLE EDITION OF NFPA 101.

H13 TRANSITION FROM FULL SIZE OF R/A GRILLE TO FULL SIZE OF R/A DUCT.

H14 CONCEAL DUCTWORK IN FURRDOWN. REFERENCE ARCHITECTURAL PLANS FOR EXACT LOCATION AND SIZE OF FURRDOWN.

H15 COORDINATE ALL DIFFUSERS AND GRILLE LOCATIONS WITH ARCHITECTURAL PLANS.

H16 ALL HVAC WORK ON LEVEL 4 TO BE PROVIDED UNDER ADD ALTERNATE #4.

H17 PROVIDE DRAINABLE BLADE LOUVER EQUAL TO RUSKIN ELF6375DX, EXTRUDED ALUMINUM, MILL FINISH, FRONT BLADE STATIONARY, DRAINABLE, 0.081" THICK. PROVIDE BIRDSCREEN, BLADE AND JAMB SEALS, CLIP ANGLES AND EXTENDED SILL. FACTORY APPLIED KYNAR FINISH TO MATCH PAINT CHIP (FURNISHED BY OWNER/ARCHITECT). COORDINATE EXACT ELEVATION WITH ARCHITECT. TRANSITION ASSOCIATED OUTSIDE AIR DUCT FULL SIZE OF LOUVER. LOUVER SIZE AS INDICATED. PROVIDE OBD IN O/A DUCT INTO R/A PLENUM.

H18 PROVIDE TWO (2) AUTOMATIC UL AND FM APPROVED FIRE VENTS. RE: SHEET ME-2.0 FOR COMPLETE INFORMATION. LOCATE PER ARCHITECTS DISCRETION. COORDINATE EXACT LOCATION OF FIRE VENTS WITH STRUCTURAL ENGINEER.

H19 PROVIDE BELLMOUTH R/A INLET WITH 1"x1" WIRE MESH SCREEN OVER OPENING.

H20 COORDINATE ROUTING OF REFRIGERANT PIPING (RL/RS) UP THRU EXTG BLDG TO HEAT PUMP CONDENSING UNITS ON ROOF. COORDINATE EXACT ROUTING WITH EXTG CONDITIONS AND NEW CONSTRUCTION FOR COMPLETE CONCEALMENT OF PIPING.

H21 ROUTE FULL-SIZE, PROPERLY TRAPPED CONDENSATE DRAIN PIPING FROM AHU/FUR AND TERMINATE OPEN-SITE AT FLOOR DRAIN/HUB DRAIN. RE: PLUMBING PLANS.

H22 WRAP S/A AND R/A DROPS AND PORTION OF HORIZONTAL S/A AND R/A DUCT AS SHOWN FROM RTU WITH ONE (1) LB. PER SQUARE FOOT LOADED VINYL, LIMP MASS BARRIER MATERIAL SECURELY FASTENED OVER A LAYER OF 2" FIBERGLASS. PIECE AND TAPE MATERIAL AT FITTINGS AND ELBOWS FOR SECURE INSTALLATION. RE: SPECIFICATION.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85825
LICENSED PROFESSIONAL ENGINEER

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NO.	SUBMISSION	DATE
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PROJECT NO.	10-001

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SHEET TITLE
LEVEL 4
FLOOR PLAN
HVAC

SHEET NO.
M1.04

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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ROOF TOP A/C UNIT SCHEDULE

R.T.U. NO.	EVAPORATOR DATA							HEAT EXCHANGER DATA		OUTSIDE AIR CFM	OUTSIDE AIR TEMP.	ARI EER	POWER SUPPLY	EST. WEIGHT	LENNOX MODEL NO.
	CFM	FAN H.P.	EXT. S.P.	E.A.T.	L.A.T.	TOT. CAP.	SENS. CAP.	INPUT (MBH)	OUTPUT (MBH)						
1	5900	5	1.0"	78.8/ 64.4	56.6/ 54.9	160.1	136.3	260.0/ 169.0	208.0	111.0	99	12.0	208/3	2600	LGH180H4B
2	4900	5	0.8"	78.8/ 64.4	58.0/ 55.5	126.3	106.7	240.0/ 156.0	192.0	980	99	12.0	208/3	1600	LGH150S4B
3	6240	5	1.0"	78.9/ 64.5	57.5/ 55.6	161.3	139.6	260.0/ 169.0	208.0	1280	99	12.0	208/3	2600	LGH180HB
4	5600	5	1.0"	78.8/ 64.4	56.1/ 54.5	158.9	132.9	260.0/ 169.0	208.0	1120	99	12.0	208/3	2600	LGH180H4B

THE MECHANICAL CONTRACTOR SHALL COORDINATE THE EXACT VOLTAGE & PHASE OF EACH AND EVERY EQUIPMENT ITEM WITH THE ELECTRICAL CONTRACTOR, PRIOR TO ORDER.

DESIGN CONDITIONS: SUMMER – 99°/77°F, WINTER – 20°F

NOTES: 1. DO NOT MOUNT DISCONNECT SWITCHES TO ACCESS PANELS.
2. PROVIDE HINGED FILTER AND CONTROL ACCESS DOORS, 24" INSULATED ROOF CURB, HAIL GUARDS.
3. PROVIDE SIDE DISCHARGE CURB FOR RTU–4.
4. COOLING CAPACITIES ARE NET (INDOOR FAN HEAT DEDUCTED).

SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

AHU (HP)	BLOWER DATA				COOLING DATA				HEATING DATA		COND. DATA	O.A. CFM	AUX. HEAT (KW)	ARI SEER	LENNOX MODEL
	CFM	EXT. S.P.	HP	VOLTS/ø	TOTAL MBH	SENS MBH	E.A.T. (DB/WB)	L.A.T. (DB/WB)	HIGH TEMP MBH	LOW TEMP MBH	VOLTS/ø				
1	1840	0.5"	1	208/3	52.4	41.8	79.5/65.2	57.4/55.3	56.0	36.4	208/3	360	18.8 @ 208/3	13.0	TPA060S4 CBX27UH–060 ECB29–25CB–Y
2	2000	0.5"	1	208/3	55.1	44.2	79.6/65.3	58.4/56.0	55.5	36.2	208/3	400	18.8 @ 208/3	13.0	TPA060S4 CBX32MV–068 ECB29–25CB–Y
3,4	800	0.4"	1/3	208/3	22.5	19.4	79.6/65.3	57.2/56.1	22.4	13.8	208/1	160	11.3 @ 208/3	13.0	13HPX–024–LVR CBX32M–030 ECB29–15CB–Y
5	3240	1.0"	2	208/3	102.8	78.9	79.3/65.1	56.0/54.1	116.0	70.0	208/3	600	26.2 @ 208/3	11.0 (EER)	TPA120S4S TAA120S4D–STD T3EH0035LM1Y

THE MECHANICAL CONTRACTOR SHALL COORDINATE THE EXACT VOLTAGE & PHASE OF EACH AND EVERY EQUIPMENT ITEM WITH THE ELECTRICAL CONTRACTOR, PRIOR TO ORDER.

DESIGN CONDITIONS: SUMMER – 99°F/77°F, WINTER – 20°F
HEATING CAPACITIES AT ARI CONDITIONS – LOW:70°F/17°F, HIGH:70°F/47°F

NOTE: PROVIDE SINGLE POINT POWER CONNECTION FOR AHU BLOWER AND ELECTRIC HEAT.

AIR DISTRIBUTION DEVICE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	MANUFACTURER CATALOG NO.	MATERIAL	FINISH	ACCESSORIES/REMARKS
D1	SQUARE CEILING SUPPLY DIFFUSER	LAY–IN CEILING	TITUS TMS–AA	ALUMINUM	BAKED WHITE ENAMEL	24/24 FULLY LOUVERED FACE; 4–WAY THROW; NECK SIZE AS INDICATED
D2	SQUARE CEILING SUPPLY DIFFUSER	LAY–IN CEILING	TITUS TMS–AA	ALUMINUM	BAKED WHITE ENAMEL	12/12 FULLY LOUVERED FACE; 4–WAY THROW; NECK SIZE AS INDICATED
D3	SIDEWALL SUPPLY DIFFUSER	SURFACE SIDEWALL	TITUS 300FL	ALUMINUM	BAKED WHITE ENAMEL	3/4" BLADE SPACING; DOUBLE DEFLECTION; SIZE AS INDICATED; OBD
D4	SQUARE CEILING SUPPLY DIFFUSER	LAY–IN CEILING	McNICHOLS 1684002231	STEEL	BAKED WHITE ENAMEL	PERFORATED; 0.83#/SF; 22 GAUGE; GRECIAN MILL FINISH; SIZE AS INDICATED
G1	CEILING RETURN/ EXHAUST GRILLE	LAY–IN CEILING	TITUS 50F	ALUMINUM	BAKED WHITE ENAMEL	24/24 PANEL; 1/2"x1/2"x1/2" EGG CRATE CORE; OBD
G2	CEILING RETURN/ EXHAUST GRILLE	LAY–IN CEILING	TITUS 50F	ALUMINUM	BAKED WHITE ENAMEL	12/12 PANEL; 1/2"x1/2"x1/2" EGG CRATE CORE
G3	SIDEWALL RETURN GRILLE	SURFACE SIDEWALL	TITUS 33RL	STEEL	FIELD PAINT	1/2" BLADE SPACING; 38° FIXED DEFLECTION; SIZE AS INDICATED; OBD
G4	CEILING RETURN GRILLE	LAY–IN CEILING	McNICHOLS 1684002231	STEEL	BAKED WHITE ENAMEL	PERFORATED; 0.83#/SF; 22 GAUGE; GRECIAN MILL FINISH; SIZE AS INDICATED; OBD

* PROVIDE PLASTER MOUNTING FRAME FOR ALL DIFFUSERS/GRILLES MOUNTED IN HARD CEILINGS/SOFFITS.

MINI–SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

INDOOR UNIT							OUTDOOR UNIT					
DESIGN	BLOWER CFM	SOUND PRESSURE (dBA)	VOLTS/ø	COOLING MBH	EAT (DB/WB)	DAIKIN MODEL	DESIGN	COOLING MBH	O/A TEMP	SEER	VOLTS/ø	DAIKIN MODEL
MS–1,2,3	200	32	208/1	8.5	80/67	FRX5090HVJU	MSH–1,2,3	8.5	86	16.0	208/1	RX509DAVJU

THE MECHANICAL CONTRACTOR SHALL COORDINATE THE EXACT VOLTAGE & PHASE OF EACH AND EVERY EQUIPMENT ITEM WITH THE ELECTRICAL CONTRACTOR, PRIOR TO ORDER.

FAN SCHEDULE

DESIG.	SERVES MOUNT	CFM	EXT. S.P.	RPM	H.P. (WATTS)	VOLTS PHASE	MFG./PART NO.	SONES	DRIVE	REMARKS
EF–1,2,6	TOILETS CEILING	75	0.5"	800	(80)	115/1	GREENHECK SP–B110	2.3	DIRECT	PROVIDE W/BACKDRAFT DAMPER; FAN SPEED CONTROL; ISOLATION KIT; DISCONNECT; WHITE CEILING GRILLE
EF–3	TOILETS CEILING	525	0.5"	961	(350)	115/1	GREENHECK SP–A700	5.3	DIRECT	PROVIDE W/BACKDRAFT DAMPER; FAN SPEED CONTROL; ISOLATION KIT; DISCONNECT; WHITE CEILING GRILLE
EF–4	TOILETS CEILING	375	0.5"	832	(350)	115/1	GREENHECK SP–A700	4.0	DIRECT	PROVIDE W/BACKDRAFT DAMPER; FAN SPEED CONTROL; ISOLATION KIT; DISCONNECT; WHITE CEILING GRILLE
EF–5	TOILETS CEILING	225	0.5"	1095	(135)	115/1	GREENHECK SP–A390	3.8	DIRECT	PROVIDE W/BACKDRAFT DAMPER; FAN SPEED CONTROL; ISOLATION KIT; DISCONNECT; WHITE CEILING GRILLE

THE MECHANICAL CONTRACTOR SHALL COORDINATE THE EXACT VOLTAGE & PHASE OF EACH AND EVERY EQUIPMENT ITEM WITH THE ELECTRICAL CONTRACTOR, PRIOR TO ORDER.

FURNACE/CONDENSING UNIT UNIT SCHEDULE

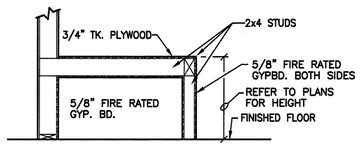
FURN CU.	BLOWER DATA				COOLING DATA				HEATING DATA		COND. DATA			LENNOX MODEL
	CFM	EXT. S.P.	HP	VOLTS/ø	TOTAL MBH	SENS MBH	E.A.T. (DB/WB)	L.A.T. (DB/WB)	MBH INPUT	MBH OUTPUT	AFUE %	VOLTS/ø	O.A. CFM	
1	1560	0.5"	1	115/1	44.0	36.7	79.5/65.2	57.0/55.6	88.0/ 60.0	82.0/ 55.0	95	208/3	300	TSA048H4 C33–43C–2F G61MPV–60C–090

THE MECHANICAL CONTRACTOR SHALL COORDINATE THE EXACT VOLTAGE & PHASE OF EACH AND EVERY EQUIPMENT ITEM WITH THE ELECTRICAL CONTRACTOR, PRIOR TO ORDER.

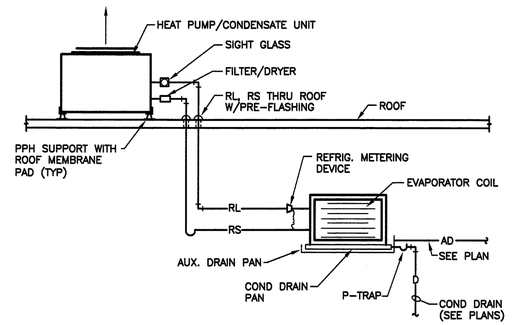
NOTES: 1. DESIGN CONDITIONS: SUMMER – 99°F/77°F WINTER – 20°F
2. COOLING CAPACITIES ARE NET (INDOOR FAN HEAT DEDUCTED).

MECHANICAL LEGEND

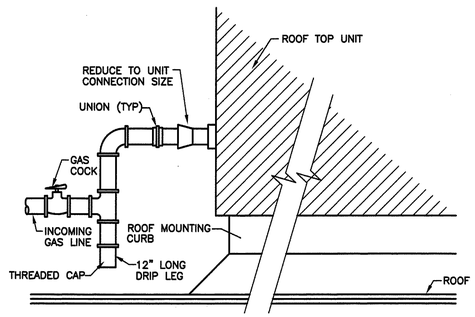
SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER OR DUCT
	RETURN AIR GRILLE, REGISTER OR DUCT
	EXHAUST AIR GRILLE, REGISTER OR DUCT
	ADJUSTABLE SPLITTER TEE W/TURNING VANES (S/A ONLY)
	DUCT TRANSITION – CONCENTRIC, ECCENTRIC
	FLEXIBLE DUCT
	LINED DUCTWORK
	ELBOW W/DOUBLE THICKNESS VANES
	MANUAL VOLUME DAMPER
T	THERMOSTAT
FD	FIRE DAMPER – HORIZONTAL AIR FLOW
FD	FIRE DAMPER – VERTICAL AIR FLOW
—RL—	REFRIGERANT LIQUID
—RS—	REFRIGERANT SUCTION
—D—	DRAIN LINE
—G—	GAS LINE
—MPG—	MEDIUM PRESSURE GAS
AHU	AIR HANDLING UNIT
HP	HEAT PUMP
EF	EXHAUST FAN
CU	CONDENSING UNIT
AFF	ABOVE FINISHED FLOOR
RTU	ROOF TOP UNIT
FUR	FURNACE UNIT
MS	MINI–SPLIT AIR–CONDITIONING UNIT
MSC	MINI–SPLIT CONDENSING UNIT



A DETAIL – GYP. BOARD LINED PLENUM
NO SCALE



B DETAIL – HEAT PUMP/CONDENSING UNIT ON ROOF
NO SCALE



C DETAIL – ROOF–TOP UNIT PIPING
NO SCALE

RENOVATIONS TO MEMORIAL CITY HALL
110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA–10086
Texas Registered Engineering Firm #F–10120

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STATE OF TEXAS
THOMAS G. SANDERS
85825
LICENSED PROFESSIONAL ENGINEER
SEAL

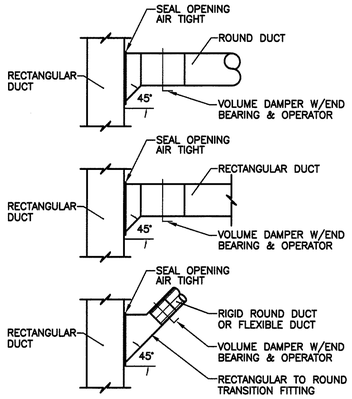
NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

CHECKED BY: TS
DRAWN BY: DCR
PROJECT NO. 10-001

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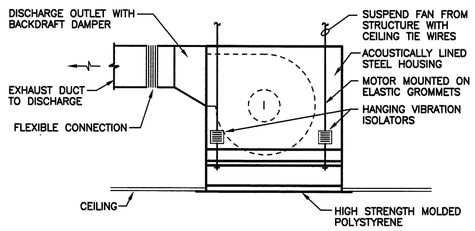
SHEET TITLE
HVAC SCHEDULES AND DETAILS

SHEET NO.
M2.01



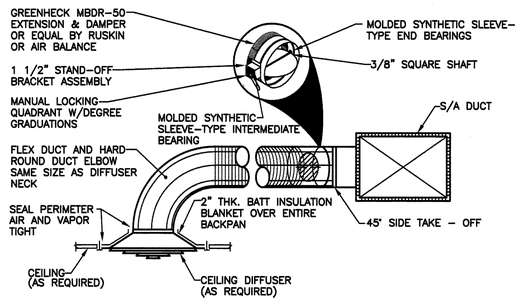
A DETAIL – DUCT TAKE-OFFS

NO SCALE



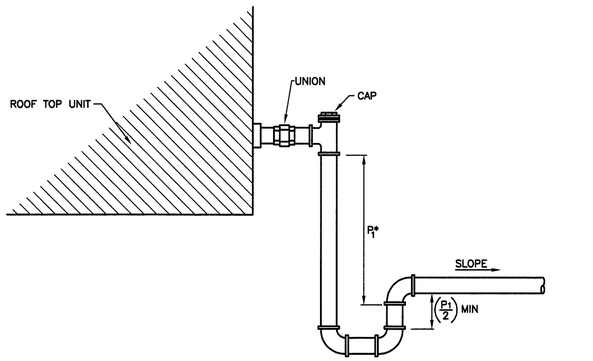
B DETAIL – CEILING MOUNTED EXHAUST FAN

NO SCALE



C DETAIL – DIFFUSER CONNECTION

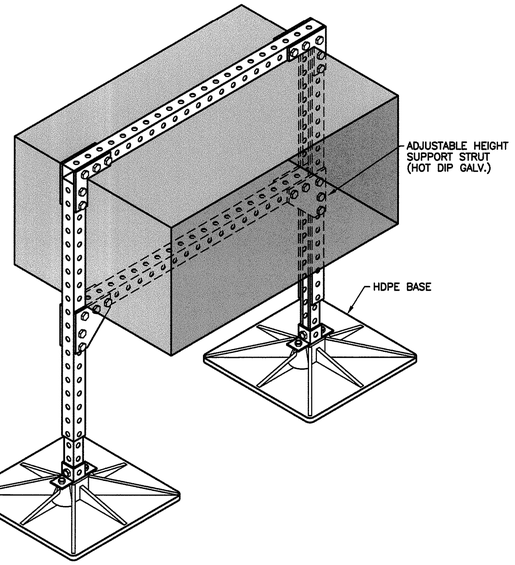
NO SCALE



D DETAIL – ROOFTOP UNIT CONDENSATE DRAIN CONNECTION

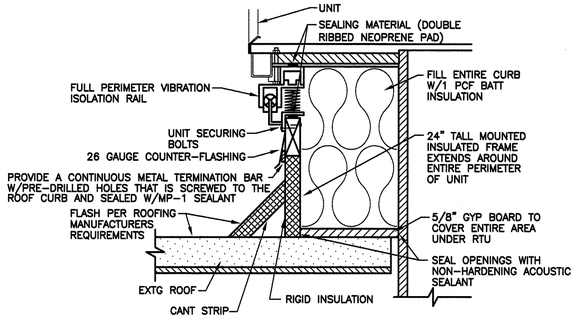
P_1 UNIT INTERNAL STATIC PRESSURE +1" (INCLUDING DIRTY FILTERS)

NO SCALE



E DETAIL – ROOF DUCT SUPPORT

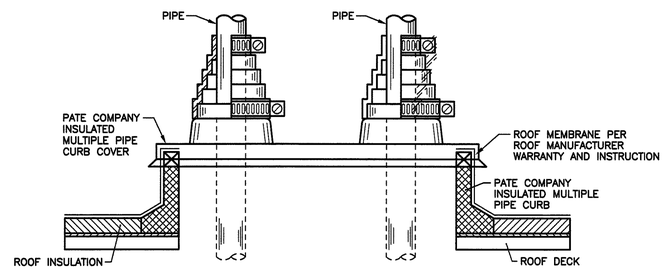
NO SCALE



F DETAIL – ROOF CURB MOUNTING

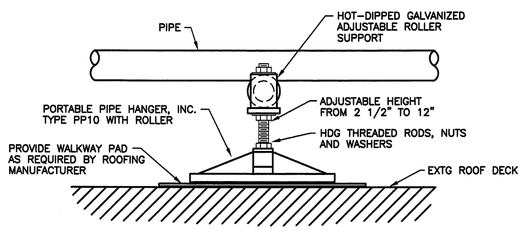
NO SCALE

NOTES:
CONTRACTOR SHALL PATCH EXTG ROOF WATERTIGHT WITH SIMILAR MATERIALS AS EXTG WHERE DAMAGED DUE TO INSTALLATION OF NEW MATERIAL AS NOT TO VOID ANY ROOF WARRANTIES.



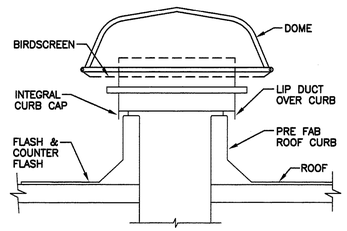
G DETAIL – PIPE PENETRATION CURB

NO SCALE



H DETAIL – PIPE SUPPORT

NO SCALE



J DETAIL – INTAKE EXHAUST HOOD

(NOTE: VERIFY ROOF SLOPE FOR EACH CURB)

NO SCALE

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85825
LICENSED
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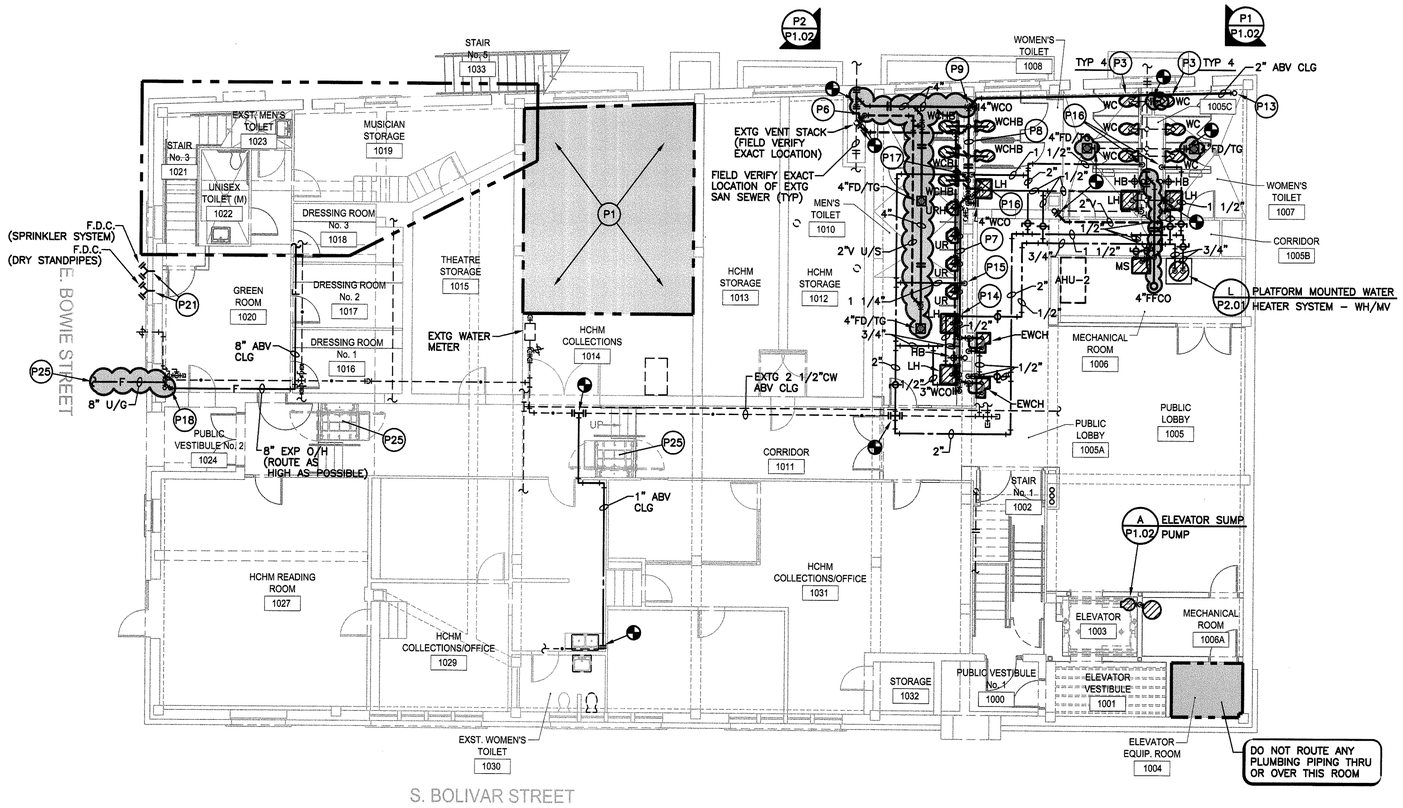
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SHEET TITLE
HVAC DETAILS

SHEET NO.
M2.02

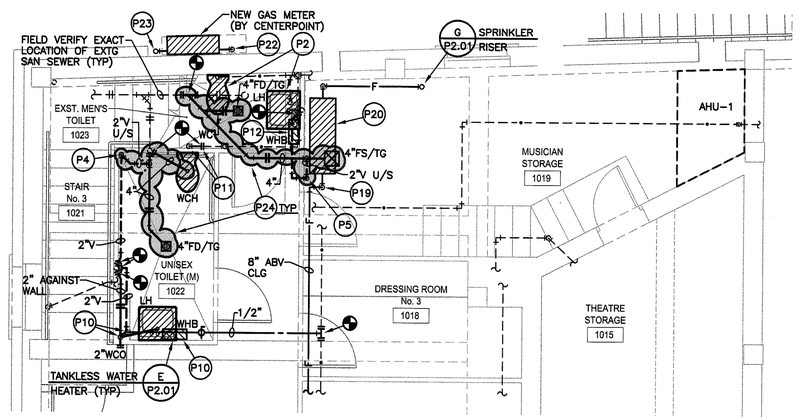
P+A
PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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LEVEL 1 FLOOR PLAN – PLUMBING

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



LEVEL 1 ENLARGED FLOOR PLAN – PLUMBING

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

PLUMBING NOTES:

– – – – EXISTING TO REMAIN
——— NEW CONSTRUCTION

P1 DO NOT ROUTE ANY NEW PLUMBING PIPING OVER ELECTRICAL EQUIPMENT IN THIS ROOM/SPACE. REROUTE ANY EXTG PIPING TO REMAIN WHERE REQUIRED.

P2 RECONNECT NEW FIXTURE TO EXTG PLBG PIPING FROM OLD FIXTURE.

P3 RECONNECT NEW WATER CLOSET TO EXTG SANITARY SEWER PIPING U/F. WHERE EXTG CONNECTION DOES NOT EXIST OR HAS BEEN COVERED UP BY FLOORING, BREAK UP EXTG FLR AND SAWCUT SLAB AS REQUIRED TO TAP EXTG SAN SEWER MAIN, AND PATCH TO MATCH. EXTG WATER PIPING IN CHASE SHALL BE REMOVED AND REPLACED.

P4 2"V U/F TURN UP, ROUTED EXP IN CORNER TO ABV CLG OR EXP O/H (VERIFY EXTG CONDITIONS). EXPOSED VENT PIPING SHALL BE CAST IRON AS SPECIFIED. SAWCUT EXTG SLAB AS REQUIRED TO INSTALL NEW FLR DRN AND U/F SEWER/VENT PIPING, AND PATCH TO MATCH.

P5 2"V U/F TURN UP, ROUTED EXP ALONG WALL TO EXP O/H IN MECH RM. EXPOSED VENT PIPING SHALL BE CAST IRON AS SPECIFIED. SAWCUT EXTG SLAB AS REQUIRED TO INSTALL NEW FLR DRN AND U/F SEWER/VENT PIPING, AND PATCH TO MATCH.

P6 2"V U/F TURN UP THRU SLAB, UP IN EXTG CHASE, AND TIE–IN TO EXTG VENT STACK IN CHASE. BREAK UP EXTG WALL, AND SAWCUT SLAB AS REQUIRED, AND REBUILD/PATCH TO MATCH.

P7 3" SAN SEWER ROUTED ABV SLAB THRU WALL.

P8 4" SAN SEWER ROUTED ABV SLAB IN CHASE.

P9 2" SAN SEWER ABV CLG TURN DN IN CHASE. EXPAND TO 4" STACK IN CHASE WITH WCO, CONNECT 4" BRANCH ROUTED ABV SLAB IN CHASE, AND CONTINUE DN, THRU SLAB, TO U/F. SAWCUT SLAB AS REQUIRED, AND PATCH TO MATCH.

P10 ROUTE 1 1/2" LAV DRN INTO EXTG WALL TO NEW 2" VENT STACK ROUTED UP IN WALL TO ABV CLG OR EXP O/H (VERIFY EXTG CONDITIONS). TURN 1/2"CW ROUTED FROM AVB CLG/EXP O/H DN IN EXTG WALL, AND STUB–OUT AGAINST EXTG WALL. ROUTE ALONG WALL (STRAP TO WALL) TO LAV FAUCET SUPPLY, BRANCHING TO "WHB" INLET. ROUTE 1/2"HW FROM "WHB" AGAINST WALL TO LAV FAUCET SUPPLY. BREAK UP EXTG WALL AS REQUIRED, AND REBUILD TO MATCH.

P11 REROUTE EXTG 1"CW AGAINST WALL IN RESTROOM 1023, AND THRU WALL TO NEW WATER CLOSET FLUSH VALVE CONNECTION IN RESTROOM 1022. PENETRATE EXTG WALL AS REQUIRED, AND PATCH TO MATCH.

P12 BRANCH OFF OF EXTG 1/2"CW LINE TO LAV WITH NEW 1/2" LINE ROUTED TIGHT AGAINST WALL (STRAP TO WALL) TO "WHB" INLET. ROUTE 1/2"HW FROM "WHB" AGAINST WALL TO LAV FAUCET SUPPLY.

P13 2" SAN SEWER DN FROM 2ND FLR, AND TURN OUT ABV CLG.

P14 1/2"HW BRANCH DN IN CHASE TO "LH" CONNECTION FROM 1/2" SUPPLY LINE ABV CLG.

P15 1 1/4"CW ABV CLG TURN DN IN CHASE. ROUTE 1 1/4" HEADER WEST THRU CHASE, BRANCHING 3/4" TO EACH "UR". ROUTE 3/4" HEADER EAST THRU CHASE AND THRU WALL, BRANCH 1/2" TO EACH "LH" AND 3/4" TO "HB".

P16 1 1/2"CW ABV CLG TURN DN IN CHASE. ROUTE 1 1/2" HEADER THRU CHASE, BRANCHING 1" TO EACH "WC"/"WCHB", 3/4" TO "HB", AND 1/2" TO "LH".

P17 2"CW ABV CLG TURN DN IN CHASE. ROUTE 2" HEADER THRU CHASE, BRANCHING 1" TO EACH "WCB"/"WCHB", AND 3/4" TO "URH".

P18 8"FIRE SPRINKLER SUPPLY U/F TURN UP, THRU SLAB, AND UP IN CORNER OF RM TO EXP O/H. ROUTE O/H IN RM 1020 AS HIGH AS POSSIBLE. PROVIDE THRUST BLOCK RESTRAINTS UNDER SLAB AND ALL OTHER CODE REQUIRED RESTRAINTS INSIDE BLDG.

P19 8"FIRE SPRINKLER SUPPLY EXP O/H TURN DN TO BACKFLOW PREVENTER INLET.

P20 PROVIDE 8" DOUBLE CHECK DETECTOR ASSEMBLY EQUAL TO WATTS 757DCDAOS WITH OS&Y VALVES AND PIPE STAND. NON–METERED 757OSY VALVE IS ACCEPTABLE IF APPROVED BY LOCAL OFFICIALS.

P21 COORDINATE EXACT LOCATION AND ROUTING OF FDCs AND PIPING UP TO FDCs W/ ARCH PRIOR TO INSTALLATION.

P22 GAS PIPING STUB–UP FROM U/G UP TO NEW METER BY CENTERPOINT ENERGY. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING CONCRETE BREAKOUT FOR GAS PIPING TO MATCH SURROUNDING. ALL INSTALLATIONS SHALL BE PER THE CITY OF MARSHALL, TX.

P23 1 1/4" MEDIUM PRESSURE (5 PSI) GAS PIPING FROM METER UP ALONG EXT WALL TO ROOFTOP.

P24 SAWCUT EXTG SLAB AS REQUIRED TO INSTALL NEW U/F PLBG PIPING. CONTRACTOR SHALL FLD VERIFY EXACT LOCATION OF ALL EXTG U/F PLBG PIPING PRIOR TO ANY SAWCUTTING TO CONFIRM EXACT ROUTING OF NEW PIPING. NOTIFY ARCHITECT/ENGINEER OF CONFLICT/ DISCREPANCIES IMMEDIATELY.

P25 MODIFY EXTG PLBG PIPING EXP O/H IN CORRIDOR AS REQUIRED TO ACCOMMODATE NEW WHEELCHAIR LIFT EQUIPMENT.

P26 REFERENCE SHEET ME1.01 FOR CONTINUATION OF UTILITY PIPING.

GENERAL PLUMBING NOTES:

GP1 THESE PLANS ARE SCHEMATIC IN NATURE AND SHOULD NOT BE USED AS SHOP DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR ADJUSTMENTS TO EXACT ROUTING OF PIPING/CONDUITS AT NO ADDITIONAL COST TO THE OWNER IN ORDER TO ACCOMMODATE EXACT LOCATIONS OF FIXTURE/EQUIPMENT CONNECTIONS AND AS REQUIRED TO ELIMINATE CONFLICTS BETWEEN TRADES AND TO PREVENT UNDUE DELAYS IN THE PROGRESS OF THE WORK. WHERE CONFLICTS APPEAR TO EXIST BETWEEN INDICATED WORK ON DIFFERENT SHEETS, CONTRACTOR SHALL CONTACT ARCHITECT/ENGINEER FOR DIRECTION AS REQUIRED PRIOR TO INSTALLATION OF PIPING/DUCTWORK/EQUIPMENT/ETC IN QUESTION.

GP2 UNLESS NOTED OTHERWISE ON PLUMBING PLANS OR APPROVED OTHERWISE IN WRITING BY ARCHITECT, ALL NEW PLUMBING PIPING IN FINISHED SPACES SHALL BE INSTALLED IN A CONCEALED LOCATION WHEREVER POSSIBLE. CONTRACTOR SHALL COORDINATE WITH ARCHITECT NEEDED WALL/CHASE/FURRING REQUIREMENTS FOR CONCEALING OF NEW PLUMBING PIPING PRIOR TO INSTALLATION.

GP3 CONTRACTOR SHALL FIELD VERIFY PRIOR TO ANY SAWCUTTING OF EXTG SLAB IF SLAB IS TWO–WAY (POST–TENSION) TYPE. CONTRACTOR SHALL CONTACT ARCHITECT/ ENGINEER IMMEDIATE IF SLAB IS POST–TENSION, AND SHALL NOT PERFORM ANY SAWCUTTING OF SLAB WITHOUT FURTHER DIRECTION FROM ARCHITECT.

GP4 CONTRACTOR SHALL COORDINATE EXACT PLUMBING FIXTURE TYPE, MOUNTING HEIGHT, ETC, WITH ARCHITECT & OWNER PRIOR TO ORDER, ROUGH–IN AND INSTALLATION.

GP5 ALL EXTG FLRs SHALL BE MODIFIED TO SLOPE TO NEW FLR DRNs UNO ON ARCHITECTURAL AND FOUNDATION PLANS.

GP6 PROVIDE PROSET TRAP GUARD TRAP PRIMER ALTERNATIVE FOR ALL NEW FLR DRNS.

GP7 ALL PENETRATIONS THRU FIRE WALLS AND FIRE PARTITIONS SHALL BE FIRE–STOPPED AS SPECIFIED AND AS SET FORTH IN UL FIRE RESISTANCE DIRECTORY, VOLUMES I AND II, LATEST EDITION.

GP8 ADA COMPLIANT FLUSH VALVE HANDLES FOR ACCESSIBLE WATER CLOSETS SHALL BE INSTALLED ON THE WIDE SIDE OF EACH TOILET STALL PER "ADA" AND "ELIMINATION OF ARCHITECTURAL BARRIER ACT".

GP9 COORDINATE INSTALLATION OF PLUMBING FIXTURE CARRIERS WITH GENERAL CONTRACTOR. BLOCK–OUT STUDS AND/OR CMU BLOCKS AND PROVIDE BLOCKING IN WALLS WHERE REQUIRED TO CLEAR CARRIER RISERS, FLR SUPPORTS AND ARMS.

GP10 COORDINATE EXACT STACK AND LEADER LOCATIONS WITH EXTG FOOTINGS, COLUMN AND STRUCTURAL FRAMING. RE: STRUCTURAL PLANS.

GP11 ALL WASTE PIPING MAINS U/S SHALL BE 3" MINIMUM, SLOPED AT 1/8" PER FOOT. PROVIDE 3" X 2" LONG SWEEP REDUCING ELBOWS AND 3" X 3" X 2" COMBINATIONS AT 2" WASTE/VENT STACKS FOR LAVATORIES/SINKS.

GP12 CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, FLOW, DEPTH, ETC, OF ALL EXTG UTILITIES PRIOR TO BID AND CONSTRUCTION.

GP13 SLOPE ALL U/S VENT PIPING BACK TO THE HORIZONTAL DRN PIPING TO WHICH IT CONNECTS.

GP14 PROVIDE MANUAL BALL VALVE, UNION AND 12" DRIP LEG AT EQUIP GAS CONNECTION.

GP15 PAINT ALL NEW PLBG PIPING ROUTED EXPOSED IN FINISHED SPACES AS DIRECTED BY ARCHITECT. CONFIRM EXACT ROUTING OF ALL NEW EXPOSED PLBG PIPING IN FINISHED SPACES WITH ARCHITECT PRIOR TO INSTALLATION.

GP16 WHERE NEW CEILING WORK IS SHOWN ON ARCH SHEETS IN AREAS WHERE EXTG PLBG PIPING IS TO REMAIN, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT EXTG PIPING WILL NOT CONFLICT W/ NEW CLGs OR FOR ADJUSTING/REROUTING EXTG PLBG PIPING/VALVES/ETC AS REQUIRED TO ACCOMMODATE NEW CLGs HEIGHTS. FIELD VERIFY PRIOR TO BID AND NOTIFY ARCHITECT OF CONFLICTS IMMEDIATELY.

P+A
PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA–10086
Texas Registered Engineering Firm F–10120

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RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

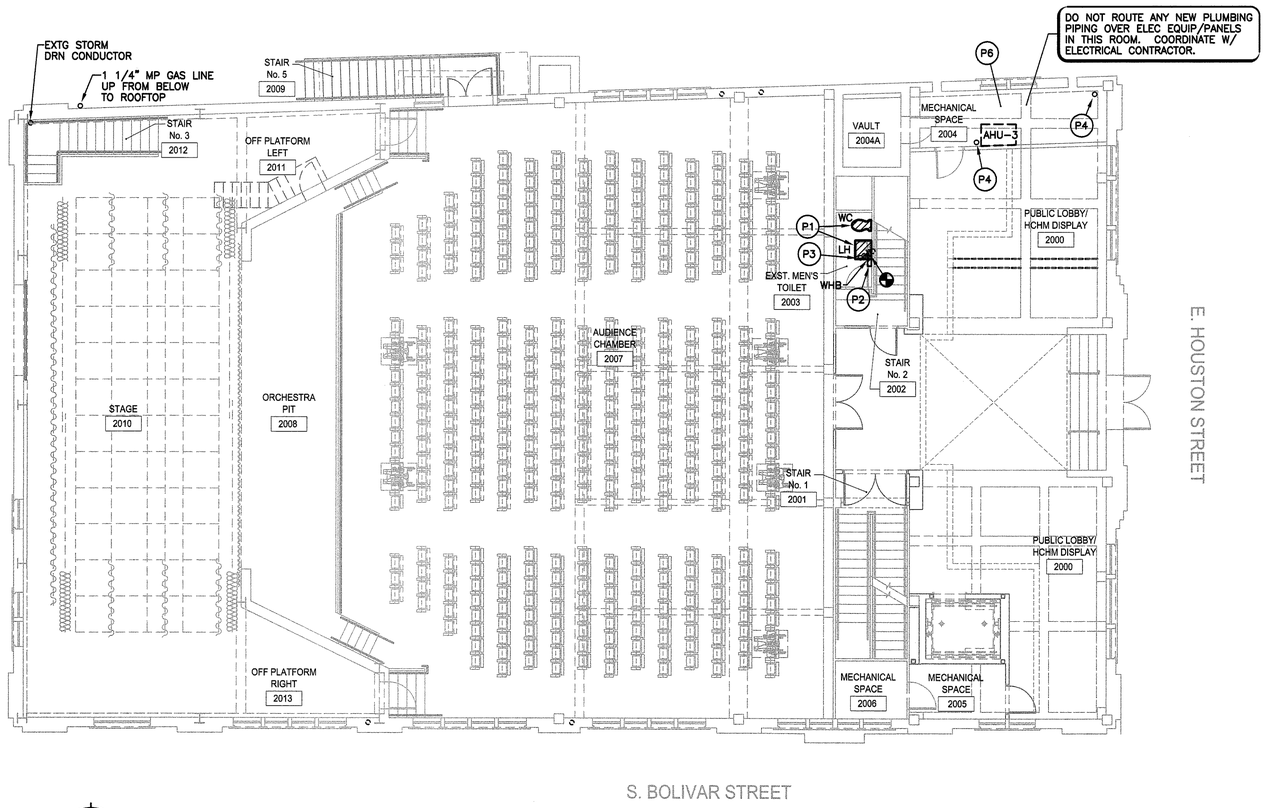
STATE OF TEXAS
THOMAS C. SANDERS
85825
LICENSED PROFESSIONAL ENGINEER
SEAL

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	CONSTRUCTION DOCUMENTS	31 MAY 2011

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SHEET TITLE
LEVEL 1
FLOOR PLANS
PLUMBING

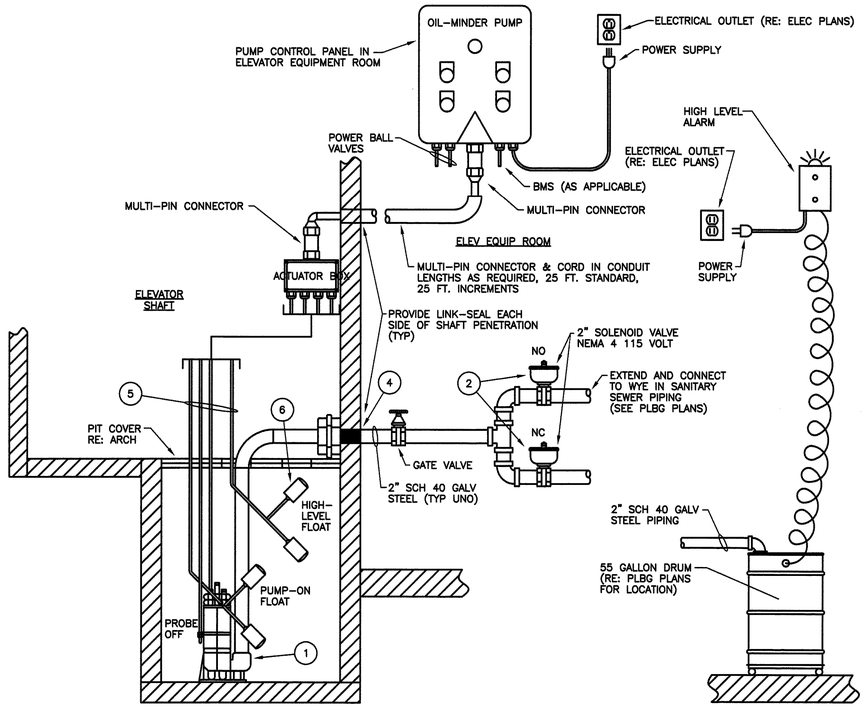
SHEET NO.
P1.01



N

LEVEL 2 FLOOR PLAN – PLUMBING

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



1. STANCOR MODEL SE-50 SUBMERSIBLE EFFLUENT PUMP 50 GPM, 0.5 HP, 115 VOLT, 3600 RPM, 2" DISCHARGE.
2. 2 NEMA 4 BALL VALVES WITH 115V, ACTUATORS, 5 SECOND ACTUATION TIME
3. STANCOR SIMPLEX OIL MINDER 115V, 1 PHASE CONTROL SYSTEM WITH OPTIONAL BUILT IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES RUN DUE TO OIL IN THE PIT OR HIGH LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM LOCATION, JUNCTION BOX WILL BE PROVIDED WITH MULTI-PIN CONNECTOR & CORD IN LENGTHS AS REQUIRED, 25 FT. IS STANDARD, OPTIONAL 25 FT. INCREMENTS.
4. ALL BURIED PUMP PRESSURE DISCHARGE PIPING SHALL BE PROTECTED WITH TAPECOAT CT CORROSION PROTECTION TAPE.
5. OIL MINDER POWER CABLE, PROBE CABLE AND HIGH LIQUID ALARM CABLE.
6. HIGH LIQUID ALARM FLOAT WITH CLAMP DEVICE TO MOUNT TO PUMP DISCHARGE PIPING.

A

DETAIL – ELEVATOR SUMP PUMP & CONTROLS

NO SCALE

PLUMBING NOTES:

– – – – EXISTING TO REMAIN
——— NEW CONSTRUCTION

P1 RECONNECT NEW FIXTURE TO EXTG PLUMBING PIPING FROM OLD FIXTURE. MODIFY EXTG ROUGH-IN AS REQUIRED. PATCH FLR AND WALL TO MATCH.

P2 PROVIDE NEW TANKLESS WATER HEATER FOR LAVATORY. BRANCH OFF 1/2"CW FROM LAVATORY SUPPLY LINE, AND ROUTE TO HEATER INLET. ROUTE 1/2"HOT/TEMPERED WATER OUT FROM HEATER INTO WALL, AND THROUGH WALL TO SUPPLY STOP AND LAVATORY CONNECTION. REFERENCE DETAIL "E" ON SHEET P2.01. BREAK UP EXTG WALL AS REQUIRED, AND REBUILD TO MATCH.

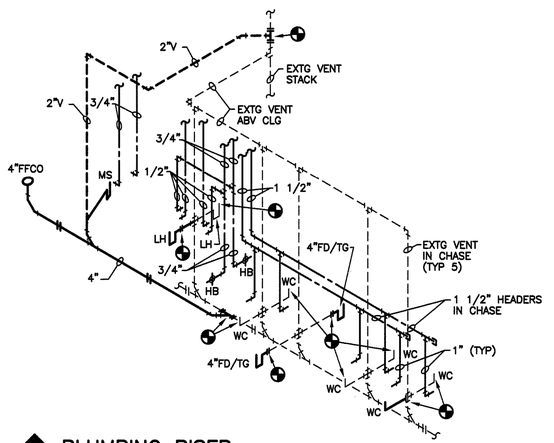
P3 PROVIDE A 2" DEEP-SEAL P-TRAP ABOVE CLG IN EXTG VERTICAL VENT STACK WITH TRAP GUARD FOR AHU CONDENSATE DRN. RE: HVAC PLANS.

P4 2" WASTE STACK DN FROM 3RD FLR, AND THRU SLAB TO 1ST FLR. REFERENCE SHEET P1.01 FOR CONTINUATION.

P5 PROVIDE 2" OPEN SITE DRAIN FOR CONDENSATE DRAINAGE, AND ROUTE DN THRU SLAB TO 1ST FLR. REFERENCE SHEET P1.01 FOR CONTINUATION.

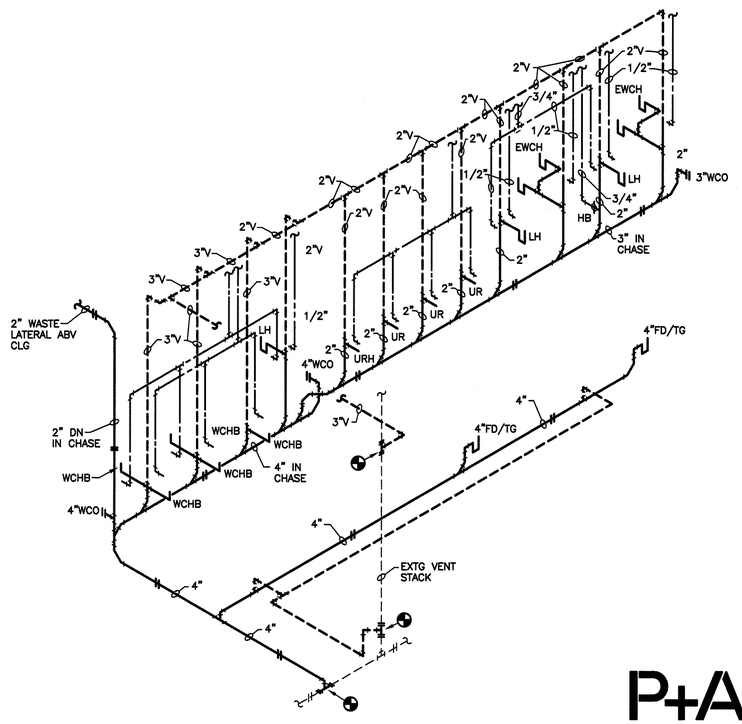
P6 REFERENCE "FP" SHEETS FOR PROPOSED FIRE SPRINKLER RISER AND STANDPIPE LOCATIONS. COORDINATE WITH HVAC DUCTWORK AND ELECTRICAL EQUIPMENT.

P7 REFERENCE SHEET P1.01 FOR GENERAL PLUMBING NOTES.



P1 PLUMBING RISER

NO SCALE



P2 PLUMBING RISER

NO SCALE

P+A
PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm: F-10120

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

THOMAS G. SANDERS 85825 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS

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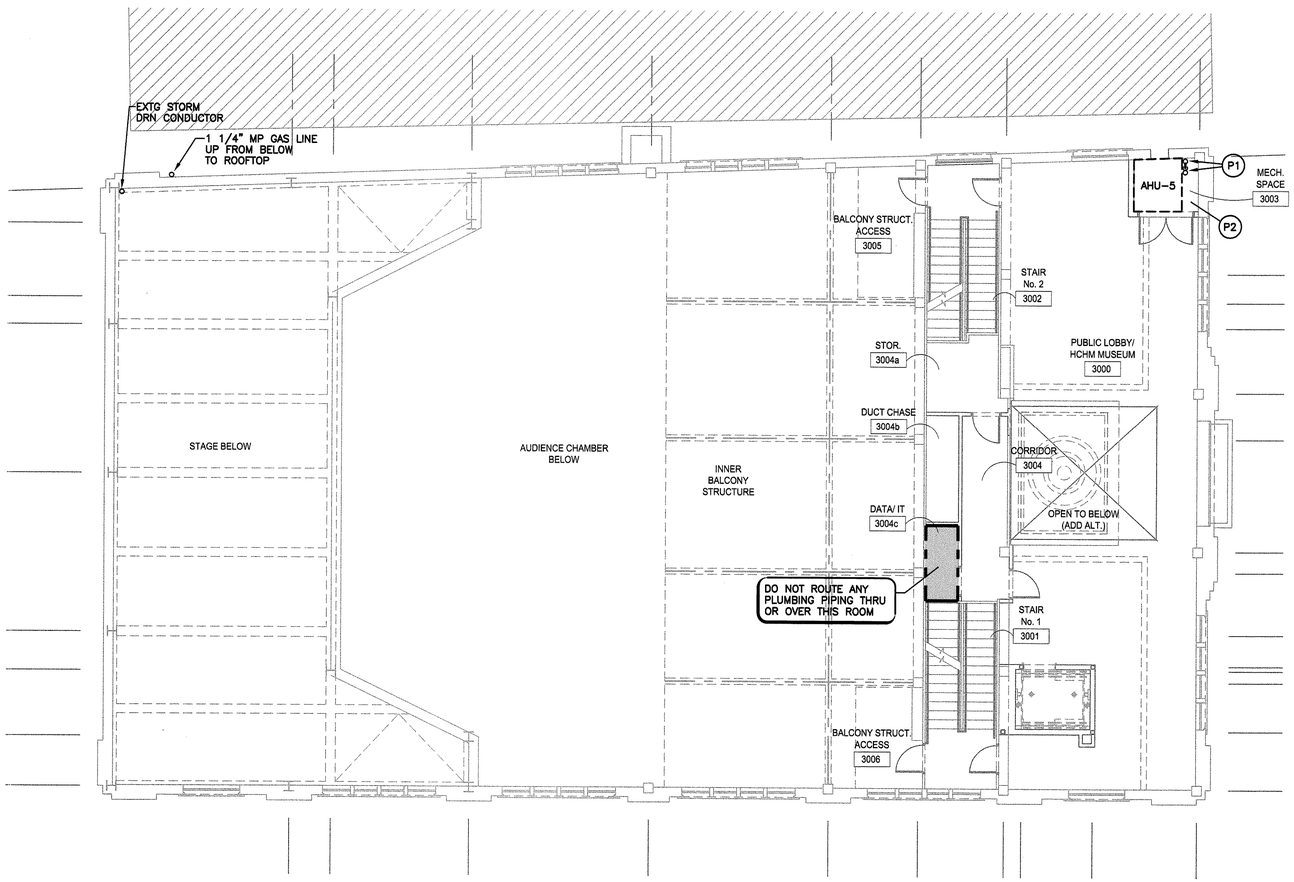
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SHEET TITLE

LEVEL 2
FLOOR PLAN
PLUMBING

SHEET NO.

P1.02



N

LEVEL 3 FLOOR PLAN – PLUMBING

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

PLUMBING NOTES:

– – – – EXISTING TO REMAIN
——— NEW CONSTRUCTION

(P1) 2" WASTE STACK DN FROM 4TH FLR. AND THRU SLAB TO 2ND FLR. PROVIDE 2" DEEP SEAL OPEN SITE DRAIN ABV SLAB FOR CONDENSATE DRAINAGE. REFERENCE SHEET P1.01 FOR CONTINUATION.

(P2) REFERENCE "FP" SHEETS FOR PROPOSED FIRE SPRINKLER RISER AND STANDPIPE LOCATIONS. COORDINATE WITH HVAC DUCTWORK AND ELECTRICAL EQUIPMENT.

(P3) REFERENCE SHEET P1.01 FOR GENERAL PLUMBING NOTES.

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

SEAL

STATE OF TEXAS
THOMAS G. SANDERS
85825
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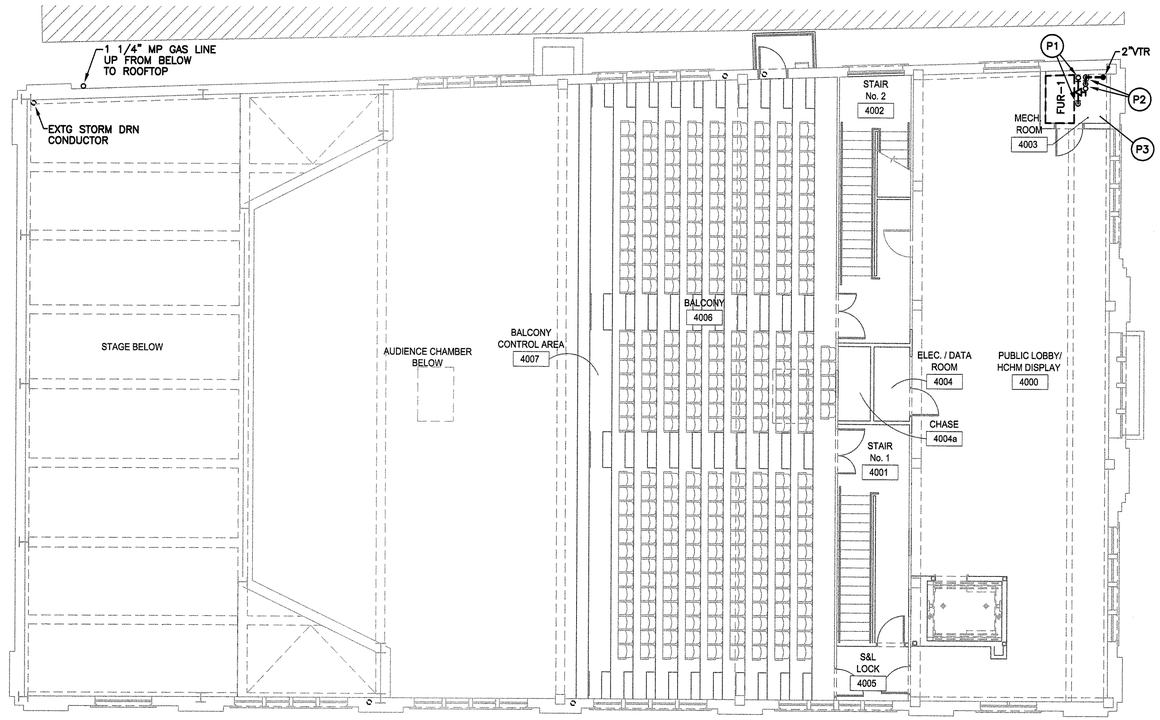
LEVEL 3
FLOOR PLAN
PLUMBING

SHEET NO.

P1.03

P+A
PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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N

LEVEL 4 FLOOR PLAN – PLUMBING

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

PLUMBING NOTES:

– – – – EXISTING TO REMAIN
——— NEW CONSTRUCTION

(P1) 3/4" LOW PRESSURE GAS PIPING DN FROM ROOF TO FURNACE UNIT CONNECTION.

(P2) 2"V EXP O/H TURN DN TO VENT/WASTE STACK, THRU SLAB TO 3RD FLR. PROVIDE 2" DEEP SEAL OPEN SITE DRAIN ABV SLAB FOR CONDENSATE DRAINAGE. REFERENCE SHEET P1.03 FOR CONTINUATION.

(P3) REFERENCE "FP" SHEETS FOR PROPOSED FIRE SPRINKLER RISER AND STANDPIPE LOCATIONS. COORDINATE WITH HVAC DUCTWORK AND ELECTRICAL EQUIPMENT.

(P4) REFERENCE SHEET P1.01 FOR GENERAL PLUMBING NOTES.

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85825
LICENSED
PROFESSIONAL ENGINEER

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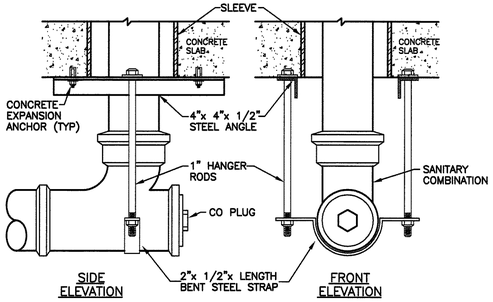
LEVEL 4
FLOOR PLAN
PLUMBING

SHEET NO.

P1.04

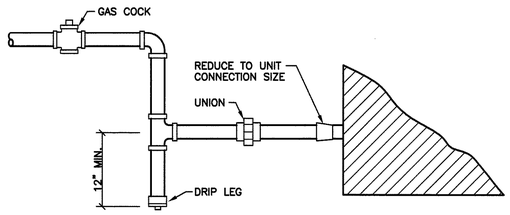
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701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
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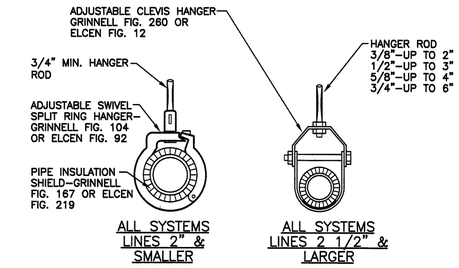
A DETAIL – SUPPORT AT BOTTOM OF STACK

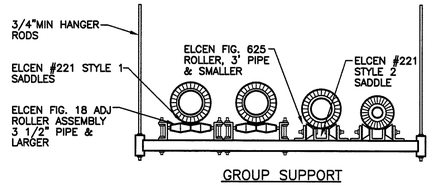
NO SCALE



B DETAIL – GAS CONNECTION

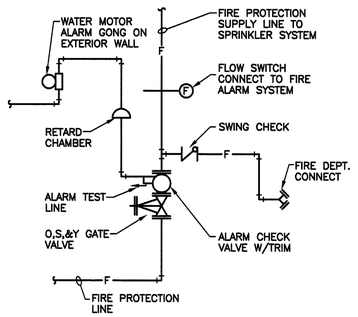
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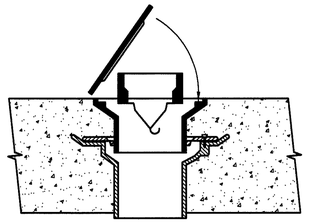
C DETAIL – PIPE SUPPORTS

NO SCALE



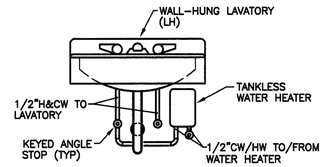
G DETAIL – SPRINKLER SYSTEM RISER DIAGRAM

NO SCALE



D DETAIL – TRAP GUARD

NO SCALE



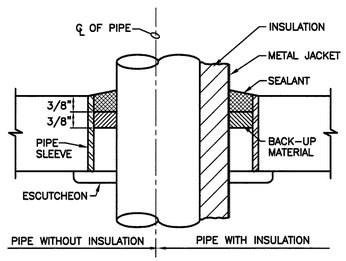
NOTE: INSTALL WATER HEATER IN STRICT ACCORDANCE W/ MANUFACTURER'S INSTRUCTIONS.

E DETAIL – TANKLESS WATER HEATER

NO SCALE

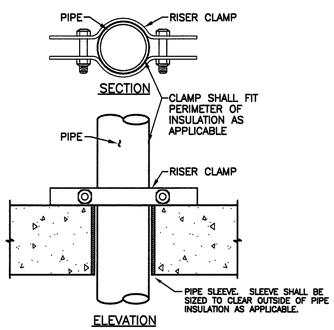
PLUMBING LEGEND / ABBREVIATIONS			
SYMBOL	DESCRIPTION	ABBR	DESCRIPTION
	SANITARY SEWER OR WASTE	ABV	ABOVE
	SANITARY VENT (V)	AFF/BFF	ABOVE/BELOW FINISHED FLOOR
	DOMESTIC COLD WATER (CW)	AHU	AIR HANDLING UNIT
	DOMESTIC HOT/TEMPERED WATER (HW)	BLDG	BUILDING
140°	140°F DOMESTIC HOT WATER	CLG	CEILING
D	CONDENSATE/DRAIN LINE	CW	COLD WATER
G	LOW PRESSURE GAS (TYP 4 TO 8 OZs)	DN	DOWN
MPG	MEDIUM PRESSURE GAS (TYP 2 TO 5 PSIG)	DRN	DRAIN
	ROOF DRAIN LEADER/STORM DRAIN	EXP O/H	EXPOSED OVERHEAD
	FINISHED FLOOR CLEANOUT (FFCO)/ GRADE CLEANOUT (CO)	EXT	EXTERIOR
	DOUBLE CLEANOUT (DCO)	EXTG	EXISTING
	WALL CLEANOUT (WCO)	FLR	FLOOR
FD/TP	FLOOR DRAIN/TRAP PRIMER	HW	HOT WATER
FS	FLOOR SINK	H&CW	HOT AND COLD WATER
RD	ROOF DRAIN	RM	ROOM
OFD	OVERFLOW DRAIN	RTU	ROOFTOP UNIT
	WALL FAUCET (WF) OR HOSE BIBB (HB)	TYP	TYPICAL
	FULL PORT BALL VALVE	U/G	UNDERGROUND
	SWING CHECK VALVE	U/F	UNDER FLOOR
	PRESSURE REDUCING VALVE (PRV)	U/S	UNDER SLAB
	BACKFLOW PREVENTER (DOUBLE CHECK/RPZ)	UH	UNIT HEATER
	GAS COCK	UNO	UNLESS NOTED OTHERWISE
	CONNECT TO EXISTING	VTR	VENT THRU ROOF/VENT TERMINAL
	EXISTING SLAB SAWCUT		

* NOTE – SOME SYMBOLS/ABBREVIATIONS MAY NOT BE USED.



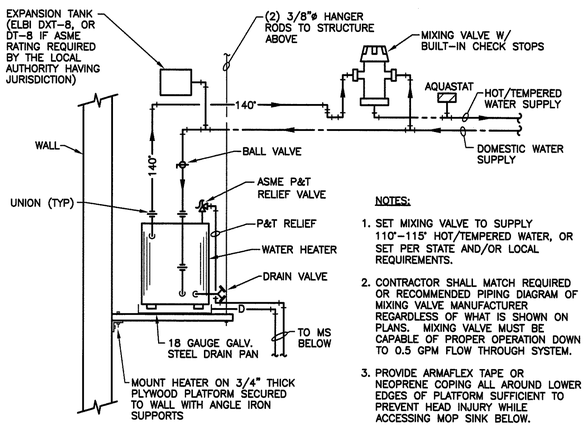
F DETAIL – PIPE THRU FLOOR

NO SCALE



K DETAIL – VERTICAL PIPE SUPPORT AT FLOOR SLAB

NO SCALE

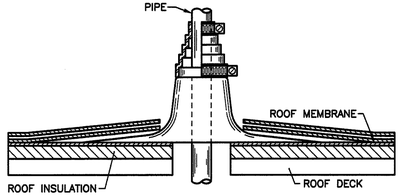


NOTES:

1. SET MIXING VALVE TO SUPPLY 110°–115° HOT/TEMPERED WATER, OR SET PER STATE AND/OR LOCAL REQUIREMENTS.
2. CONTRACTOR SHALL MATCH REQUIRED OR RECOMMENDED PIPING DIAGRAM OF MIXING VALVE MANUFACTURER REGARDLESS OF WHAT IS SHOWN ON PLANS. MIXING VALVE MUST BE CAPABLE OF PROPER OPERATION DOWN TO 0.5 GPM FLOW THROUGH SYSTEM.
3. PROVIDE ARMAFLEX TAPE OR NEOPRENE COPING ALL AROUND LOWER EDGES OF PLATFORM SUFFICIENT TO PREVENT HEAD INJURY WHILE ACCESSING MOP SINK BELOW.

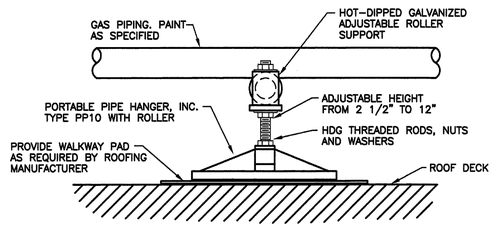
L DETAIL – PLATFORM MOUNTED WATER HEATER

NO SCALE



H DETAIL – PATE PIPE SEAL

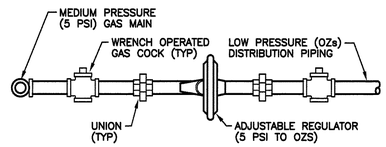
NO SCALE



M DETAIL – GAS PIPE SUPPORT ON ROOF

NO SCALE

NOTE: PROVIDE AT SPECIFIED INTERVALS.



J DETAIL – TYP. REGULATOR STATION ON ROOF

NO SCALE

RENOVATIONS TO MEMORIAL CITY HALL

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Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

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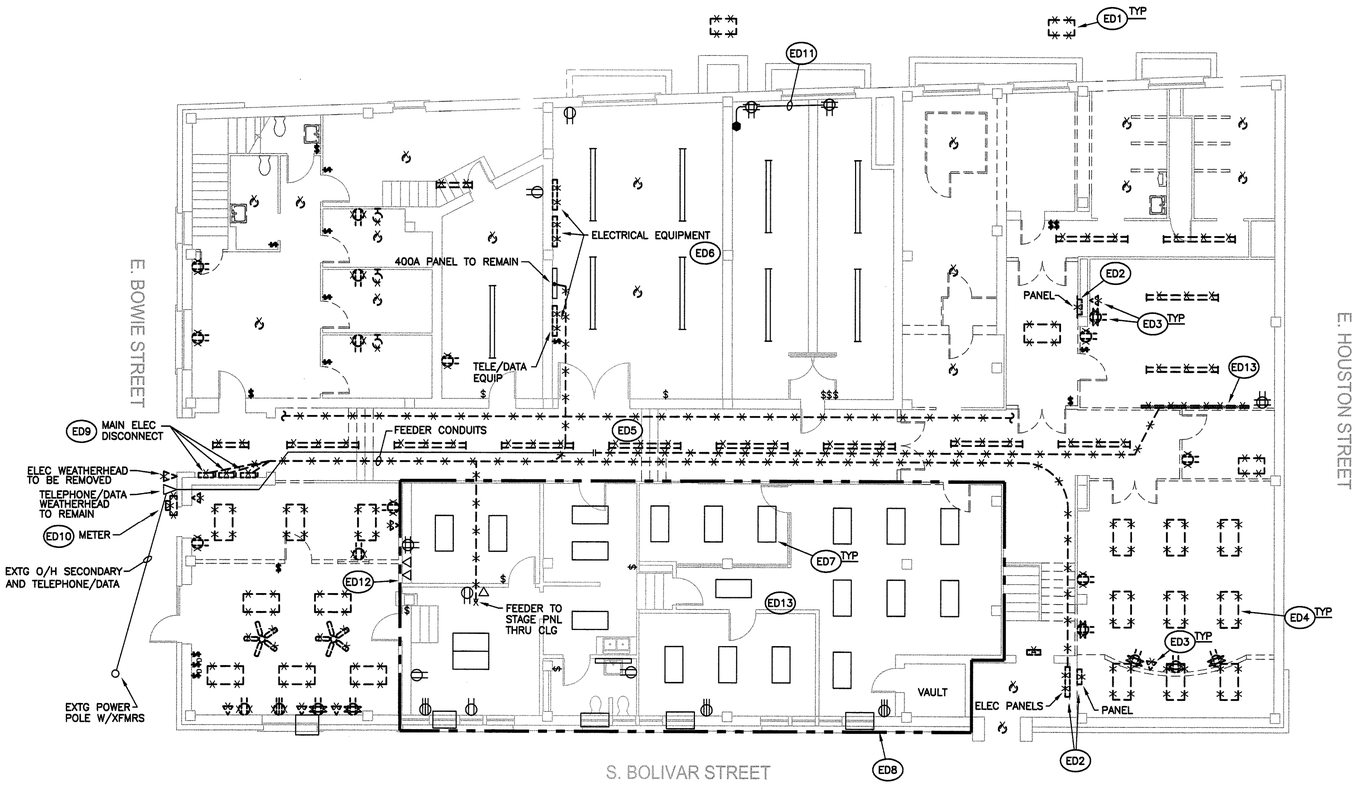
PLUMBING LEGENDS AND DETAILS

SHEET NO.

P2.01

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA–10088
Texas Registered Engineering Firm #F–10120

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LEVEL 1 FLOOR PLAN – ELECTRICAL DEMOLITION

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

ELECTRICAL DEMOLITION NOTES:

— * — * EXISTING TO BE REMOVED
——— EXISTING TO REMAIN

ED1 PROVIDE ELECTRICAL DEMOLITION ASSOCIATED WITH MECHANICAL DEMOLITION. DISCONNECT AND REMOVE EXTG CONDUIT AND CONDUCTORS TO SOURCE FOR ALL MECHANICAL EQUIPMENT BEING DEMOLISHED. COORDINATE WITH MECHANICAL CONTRACTOR.

ED2 DISCONNECT AND REMOVE PANELS, CONDUITS, CONDUCTORS, FEEDERS, ETC. TO SOURCE.

ED3 REMOVE EXTG DEVICES, SPECIAL SYSTEMS, ETC. AND ALL ASSOCIATED CONDUITS AND CONDUCTORS TO SOURCE FOR ALL DEVICES ASSOCIATED WITH DEMOLITION.

ED4 DISCONNECT AND REMOVE EXTG LIGHTING FIXTURES, CONDUITS, AND CONDUCTORS TO SOURCE.

ED5 EXPOSED CONDUITS, CABLING, ETC. IN CORRIDOR TO REMAIN. REMOVE ANY ABANDONED CIRCUITS/CABLING. FIELD VERIFY.

ED6 INDICATED PANEL SHALL REMAIN DURING CONSTRUCTION FOR TEMPORARY POWER. DISCONNECT AND REMOVE OTHER ELECTRICAL PANELS, FEEDERS, BRANCH CIRCUITS, ETC. IN ITS ENTIRETY. AFTER INSTALLATION OF NEW ELECTRICAL SERVICE AND PANELS, CONNECT PANEL TO NEW PANELS. SEE ELECTRICAL RISER.

ED7 EXTG LIGHTING FIXTURES AND CONDUCTORS TO REMAIN. SEE NOTE ED8.

ED8 EXTG AREA TO REMAIN OPERATIONAL DURING CONSTRUCTION. RELOCATE EXTG CIRCUITS TO EXISTING PANEL TO REMAIN FOR CONSTRUCTION AS REQUIRED THEN TO NEW PANEL "L1" AFTER INSTALLATION OF NEW ELECTRICAL SERVICE AND PANELS. COORDINATE ALL POWER OUTAGES WITH OWNER.

ED9 EXTG DISCONNECT THAT FEEDS EXTG 400A PANEL TO REMAIN SHALL REMAIN DURING CONSTRUCTION FOR TEMPORARY POWER. AFTER INSTALLATION OF NEW PANELS IN ROOM 1014, DISCONNECT AND REMOVE ELECTRICAL SERVICE, WEATHERHEAD, CONDUITS, ETC. IN ITS ENTIRETY AND PROVIDE NEW PER RISER. COORDINATE CHANGEOVER OF SERVICES WITH AEP/SWEPCO AND OWNER.

ED10 REMOVE METER AFTER INSTALLATION OF NEW ELECTRICAL SERVICE. PATCH WALL TO MATCH EXTG.

ED11 EXTG CONDUIT AND RECEPTACLES FOR WINDOW UNITS TO REMAIN.

ED12 CONTRACTOR SHALL REPAIR ANY FEED THRU CIRCUITS INTERRUPTED/DAMAGED BY DEMOLITION.

ED13 EXTG TELEPHONE/DATA TO REMAIN OPERATIONAL DURING CONSTRUCTION. RELOCATE EXTG CIRCUITS AND TELEPHONE/DATA EQUIPMENT TO ROOM 1014. SEE SHEET E1.01.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS — RICKEY L. WATSON — 61738 — LICENSED PROFESSIONAL ENGINEER

SEAL

NO.	SUBMISSION	DATE
	CONSTRUCTION DOCUMENTS	31 MAY 2011

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PROJECT NO.	10-001

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SHEET TITLE

LEVEL 1
FLOOR PLAN
ELECTRICAL DEMOLITION

SHEET NO.

ED1.01

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm F-10120

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ELECTRICAL DEMOLITION NOTES:

— * — * EXISTING TO BE REMOVED
——— EXISTING TO REMAIN

(ED1) PROVIDE ELECTRICAL DEMOLITION ASSOCIATED WITH MECHANICAL DEMOLITION. DISCONNECT AND REMOVE EXTG CONDUIT AND CONDUCTORS TO SOURCE FOR ALL MECHANICAL EQUIPMENT BEING DEMOLISHED. COORDINATE WITH MECHANICAL CONTRACTOR.

(ED2) DISCONNECT AND REMOVE ELECTRICAL PANELS, FEEDERS, BRANCH CIRCUITS, DISCONNECTS, ETC. IN ITS ENTIRETY.

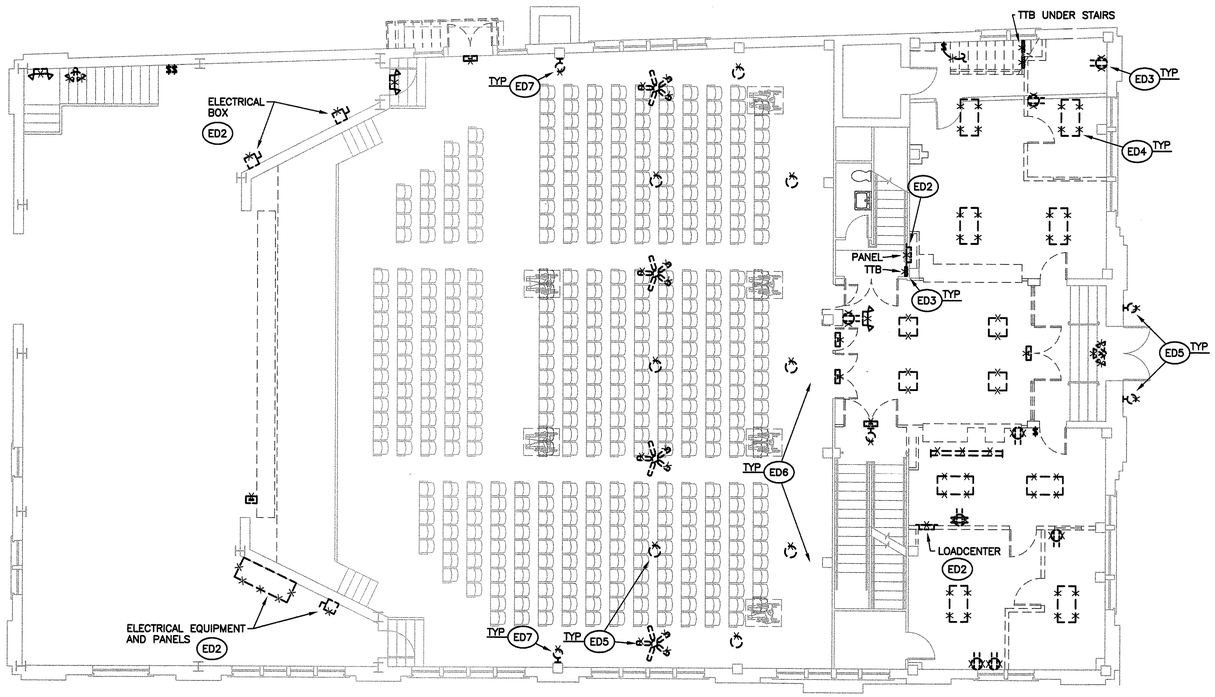
(ED3) REMOVE EXTG DEVICES, SPECIAL SYSTEMS, ETC. AND ALL ASSOCIATED CONDUITS AND CONDUCTORS TO SOURCE FOR ALL DEVICES ASSOCIATED WITH DEMOLITION.

(ED4) DISCONNECT AND REMOVE EXTG LIGHTING FIXTURES, CONDUITS, AND CONDUCTORS TO SOURCE.

(ED5) REMOVE UNDER (8) BALCONY LIGHTS, (4) CEILING FANS, (2) EXTERIOR SCONCES, AND RETAIN FOR RE-USE. REMOVE CONDUCTORS TO SOURCE. REFURBISH, REWIRE FOR 100W A-19 LAMPS, AND REINSTALL FIXTURES AND FANS. REFER TO ARCHITECTURAL PLANS.

(ED6) DISCONNECT AND REMOVE ALL EXPOSED CONDUITS, CABLES, ETC. IN ITS ENTIRETY.

(ED7) DISCONNECT WALL SCONCES AND RETURN TO OWNER. RETAIN CONDUIT AND PREPARE SPACE FOR RELOCATED WALL SCONCES.



N LEVEL 2 FLOOR PLAN – ELECTRICAL DEMOLITION

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

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Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
RICKEY L. WATSON
6/03/11
LICENSED PROFESSIONAL ENGINEER

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SHEET TITLE

LEVEL 2
FLOOR PLAN
ELECTRICAL DEMOLITION

SHEET NO.

ED1.02

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm F-10120

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ELECTRICAL DEMOLITION NOTES:

— * — * EXISTING TO BE REMOVED
——— EXISTING TO REMAIN

(ED1) PROVIDE ELECTRICAL DEMOLITION ASSOCIATED WITH MECHANICAL DEMOLITION. DISCONNECT AND REMOVE EXTG CONDUIT AND CONDUCTORS TO SOURCE FOR ALL MECHANICAL EQUIPMENT BEING DEMOLISHED. COORDINATE WITH MECHANICAL CONTRACTOR.

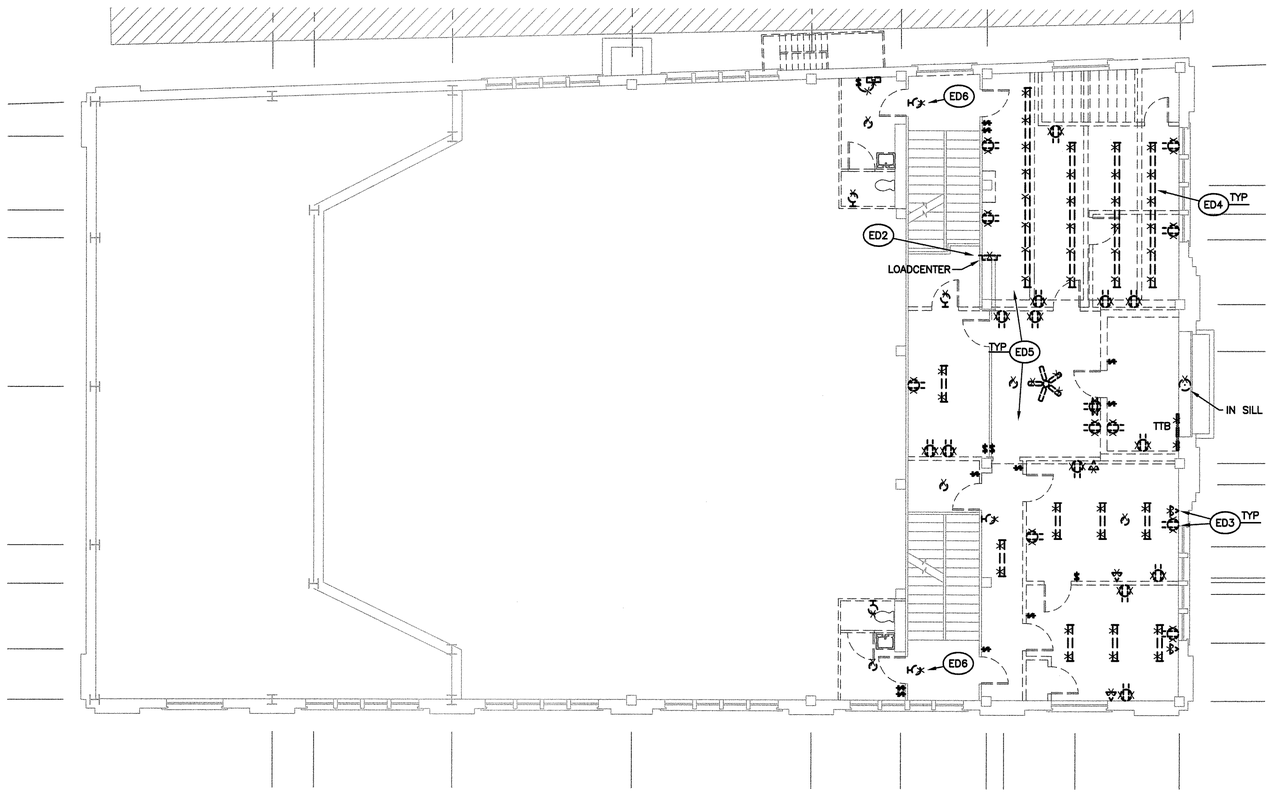
(ED2) DISCONNECT AND REMOVE ELECTRICAL PANELS, FEEDERS, BRANCH CIRCUITS, DISCONNECTS, ETC. IN ITS ENTIRETY.

(ED3) REMOVE EXTG DEVICES, SPECIAL SYSTEMS, ETC. AND ALL ASSOCIATED CONDUITS AND CONDUCTORS TO SOURCE FOR ALL DEVICES ASSOCIATED WITH DEMOLITION.

(ED4) DISCONNECT AND REMOVE EXTG LIGHTING FIXTURES, CONDUITS, AND CONDUCTORS TO SOURCE.

(ED5) DISCONNECT AND REMOVE ALL EXPOSED CONDUITS, CABLES, ETC. IN ITS ENTIRETY.

(ED6) REMOVE SCONCE OVER DOOR. REFURBISH, REWIRE FOR 100W A–19 LAMPS, AND RE–INSTALL IN LEVEL 2. SEE SHEET E2.02.



N

LEVEL 3 FLOOR PLAN – ELECTRICAL DEMOLITION

SCALE: 1/8"=1'–0"

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
RICKY L. WATSON
102735
LICENSED PROFESSIONAL ENGINEER

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SHEET TITLE

LEVEL 3
FLOOR PLAN
ELECTRICAL DEMOLITION

SHEET NO.

ED1.03

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA–10086
Texas Registered Engineering Firm F–10120

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ELECTRICAL DEMOLITION NOTES:

– * – * EXISTING TO BE REMOVED
——— EXISTING TO REMAIN

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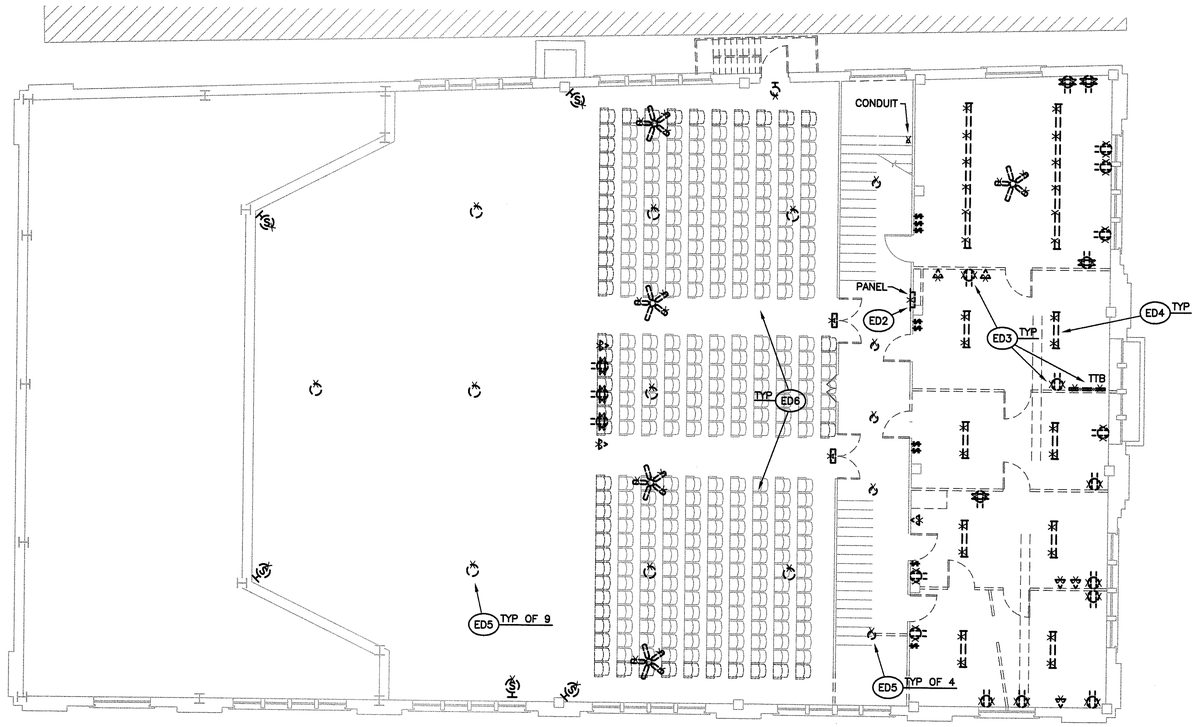
(ED2) DISCONNECT AND REMOVE ELECTRICAL PANELS, FEEDERS, BRANCH CIRCUITS, DISCONNECTS, ETC. IN ITS ENTIRETY.

(ED3) REMOVE EXTG DEVICES, SPECIAL SYSTEMS, ETC. AND ALL ASSOCIATED CONDUITS AND CONDUCTORS TO SOURCE FOR ALL DEVICES ASSOCIATED WITH DEMOLITION.

(ED4) DISCONNECT AND REMOVE EXTG LIGHTING FIXTURES, CONDUITS, AND CONDUCTORS TO SOURCE.

(ED5) CONTRACTOR SHALL REMOVE EXTG AUDITORIUM CHANDELIERS AND THE (4) CORRIDOR PENDANTS AND RETAIN FOR RE–USE. REFURBISH, REWIRE, AND RE–INSTALL IN NEW CEILING. REFER TO ARCHITECTURAL PLANS. REFURBISHED FIXTURES SHALL BE REWIRED TO ACCEPT 100W A–19 LAMPS.

(ED6) DISCONNECT AND REMOVE ALL EXPOSED CONDUITS, CABLES, ETC. IN ITS ENTIRETY.



N LEVEL 4 FLOOR PLAN – ELECTRICAL DEMOLITION

SCALE: 1/8"=1'–0"

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
RICKEY L. WATSON
62736
LICENSED PROFESSIONAL ENGINEER
SEAL

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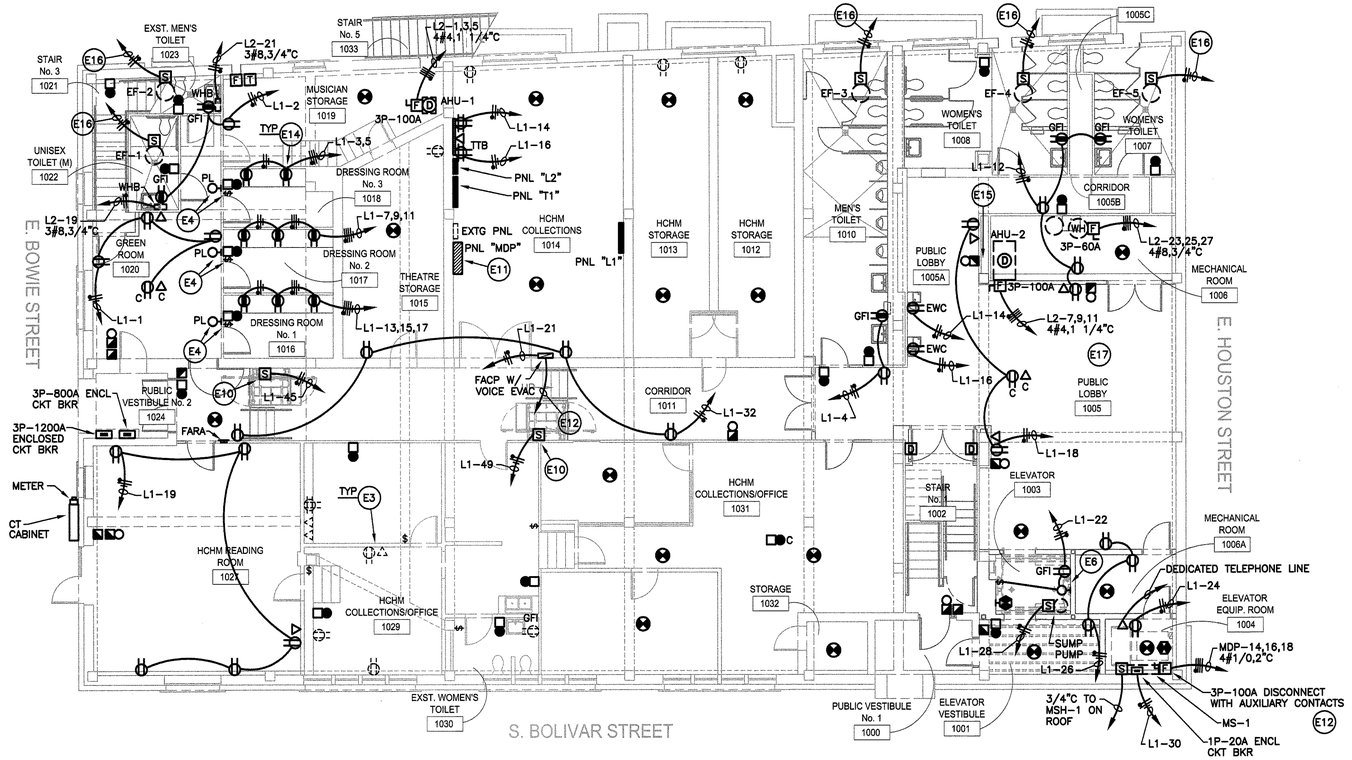
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SHEET TITLE
LEVEL 4
FLOOR PLAN
ELECTRICAL DEMOLITION

SHEET NO.
ED1.04

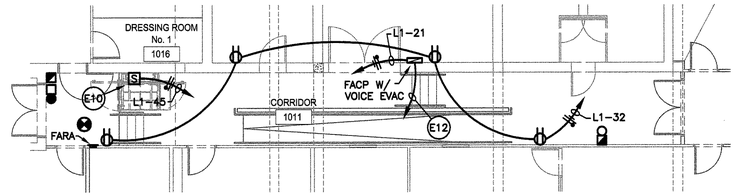
P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA–10086
Texas Registered Engineering Firm #F–10120

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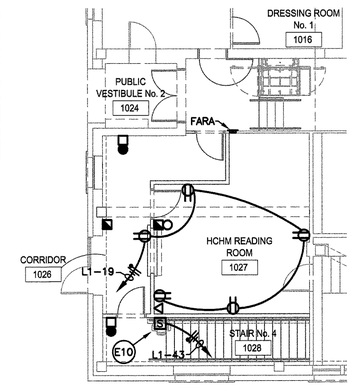
N LEVEL 1 FLOOR PLAN – POWER

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



N LEVEL 1 FLOOR PLAN – ADD ALTERNATE NO. 6 – POWER

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



N LEVEL 1 FLOOR PLAN – ADD ALTERNATE NO. 1 – POWER

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

ELECTRICAL NOTES:

– – – – EXISTING TO REMAIN
——— NEW CONSTRUCTION

E1 COORDINATE THE EXACT LOCATION OF ALL WIRING DEVICES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.

E2 ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

E3 EXTEND EXTG CIRCUITS TO REMAIN TO ELECTRICAL PANELS TO REMAIN.

E4 PROVIDE A 4P-20A MECHANICALLY HELD CONTACTOR CONTROLLED BY SWITCH FOR DRESSING ROOM RECEPTACLES. PROVIDE A PILOT LIGHT ON OUTSIDE OF DOOR INDICATING WHEN RECEPTACLES ARE ENERGIZED. INSTALL PER NEC 520.73.

E5 CONTRACTOR SHALL PROVIDE A FIRE ALARM SYSTEM IN STRICT COMPLIANCE WITH NFPA 72 AND IBC. CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE ALL DEVICES PER NFPA CODES BASED UPON OCCUPANCY OF BUILDING, WHETHER INDICATED ON PLANS OR NOT.

E6 PROVIDE A 60W INCANDESCENT VAPOR TIGHT LIGHTING FIXTURE IN ELEVATOR PIT.

E7 VERIFY EXACT REQUIREMENTS OF ELEVATOR WITH ELEVATOR PROVIDER PRIOR TO ROUGH-IN. ADJUST CIRCUIT AS REQUIRED.

E8 ALL DEVICES INSTALLED ON EXTG BLOCK OR BRICK WALLS SHALL BE IN SURFACE WIREMOLD. WIREMOLD SHALL MATCH WALL COLOR.

E9 CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ELECTRICAL INSTALLATIONS IN COMPLIANCE WITH ALL CURRENT ELECTRICAL CODES FOR ANY WORK PERFORMED OR EXTG EQUIPMENT OR INSTALLATIONS.

E10 CONNECT LIFT. PROVIDE ALL ELECTRICAL REQUIREMENTS AS REQUIRED BY LIFT PROVIDER.

E11 COORDINATE PNL LOCATIONS WITH EXTG PNL TO REMAIN AND EXTG ROOM CONDITIONS AND RELOCATE AS REQUIRED. INSTALL PER NEC.

E12 PROVIDE (2) DEDICATED TELEPHONE LINES TO FACP DIALER.

E13 CONTRACTOR SHALL COORDINATE EXACT TELEPHONE/DATA OUTLET LOCATIONS AND TTB REQUIREMENTS WITH RANDY PRITCHARD WITH THE CITY OF MARSHALL: 903-923-7005.

E14 MOUNT HORIZONTAL IN BACKSPLASH IN DRESSING ROOMS.

E15 ROUTE NEW FEEDER CONDUITS, TELEPHONE/DATA CONDUITS THRU CHASE TO FLOORS ABOVE.

E16 CONNECT TO ROOM LIGHTING CIRCUIT. INTERLOCK WITH LIGHT SWITCH.

E17 CONTRACTOR SHALL VERIFY LOCATIONS OF POWERED DISPLAY CASES WITH OWNER PRIOR TO CONSTRUCTION AND PROVIDE ELECTRICAL CIRCUITS/RECEPTACLES AS REQUIRED.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS RICKEY L. WATSON 102735 LICENSED PROFESSIONAL ENGINEER

SEAL

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SHEET TITLE

LEVEL 1
FLOOR PLANS
POWER

SHEET NO.

E1.01

P+A
PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 8564
purtle@purtle.net
PA-10086
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ELECTRICAL NOTES:

---- EXISTING TO REMAIN
——— NEW CONSTRUCTION

(E1) COORDINATE THE EXACT LOCATION OF ALL WIRING DEVICES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.

(E2) ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

(E3) VERIFY RECEPTACLE NEMA CONFIGURATION WITH THEATRICAL LIGHTING CONSULTANTS.

(E4) PROVIDE 1" CONDUIT FOR CONTROL HOME RUN WIRING TO "CDR" AT UPPER LEVEL. SEE THEATRICAL SHEETS,

(E5) CONTRACTOR SHALL PROVIDE A FIRE ALARM SYSTEM IN STRICT COMPLIANCE WITH NFPA 72 AND IBC. CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE ALL DEVICES PER NFPA CODES BASED UPON OCCUPANCY OF BUILDING, WHETHER INDICATED ON PLANS OR NOT. COORDINATE LOCATION OF FARA WITH LOCAL AUTHORITY HAVING JURISDICTION.

(E6) ALL DEVICES INSTALLED ON EXTG BLOCK OR BRICK WALLS SHALL BE IN SURFACE WIREMOLD. WIREMOLD SHALL MATCH WALL COLOR.

(E7) CONTRACTOR SHALL COORDINATE THE EXACT REQUIREMENTS FOR THEATRICAL LIGHTING AND SOUND WITH AV CONSULTANT PRIOR TO ROUGH-IN OR BID. REFER TO THEATRICAL SYSTEM SHEETS (TS) FOR ADDITIONAL REQUIREMENTS.

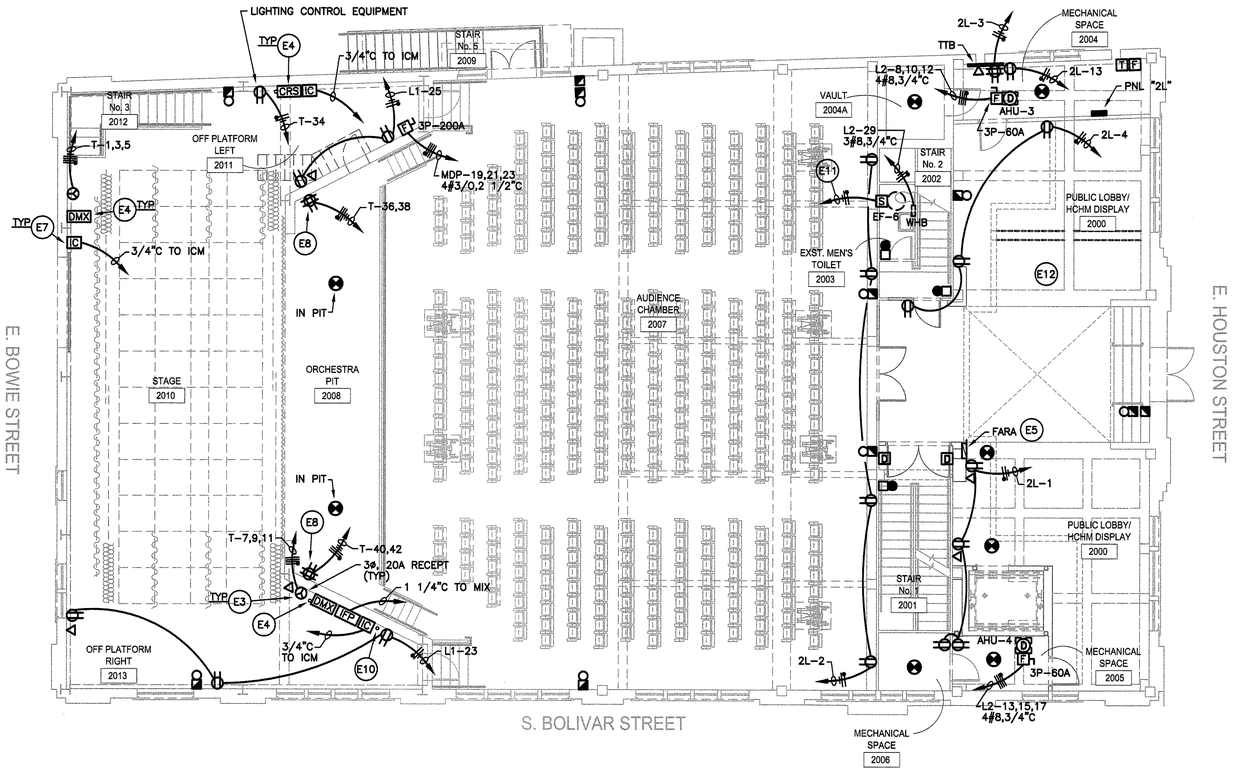
(E8) COORDINATE LOCATION WITH THEATRICAL SYSTEM INSTALLER.

(E9) CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ELECTRICAL INSTALLATIONS IN COMPLIANCE WITH ALL CURRENT ELECTRICAL CODES FOR ANY WORK PERFORMED OR EXTG EQUIPMENT OR INSTALLATIONS.

(E10) CONTROL CONDUIT TO FUTURE ROLL UP PROJECTION SCREEN LOCATION ABOVE.

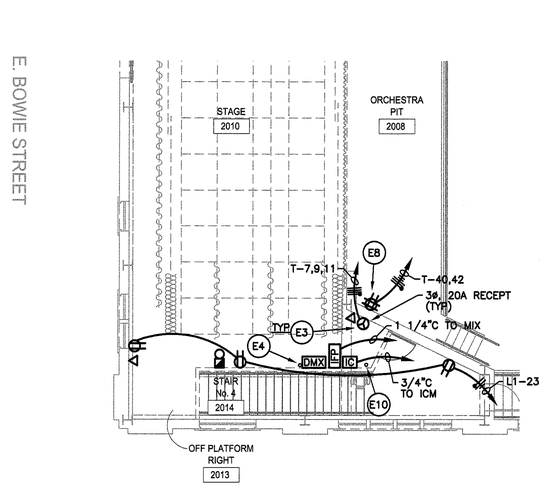
(E11) CONNECT TO ROOM LIGHTING CIRCUIT. INTERLOCK WITH LIGHT SWITCH.

(E12) CONTRACTOR SHALL VERIFY LOCATIONS OF POWERED DISPLAY CASES WITH OWNER PRIOR TO CONSTRUCTION AND PROVIDE ELECTRICAL CIRCUITS/RECEPTACLES AS REQUIRED.



N LEVEL 2 FLOOR PLAN – POWER

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



N LEVEL 2 FLOOR PLAN – ADD ALTERNATE NO .1 – POWER

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

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650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

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TYLER, TEXAS 75702
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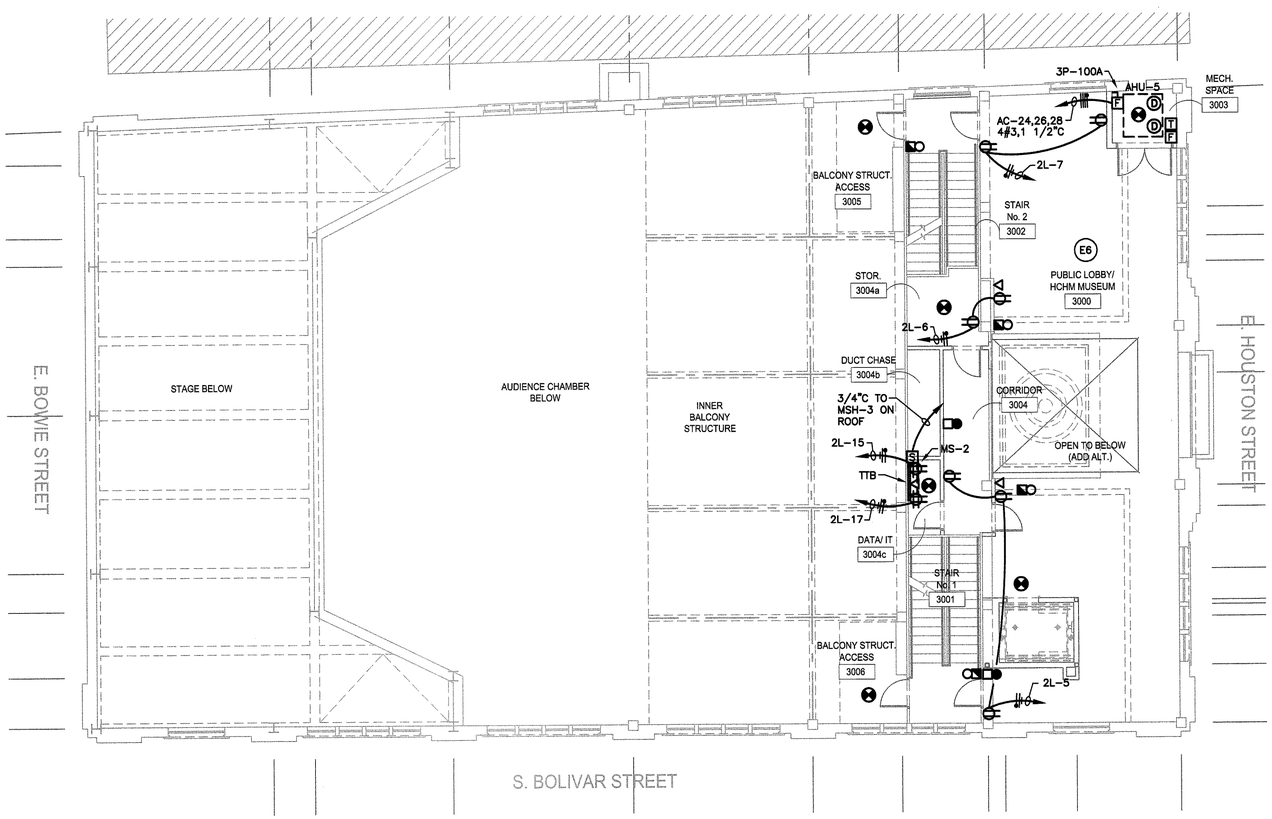
LEVEL 2
FLOOR PLANS
POWER

SHEET NO.

E1.02

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm F-10120

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LEVEL 3 FLOOR PLAN – POWER

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

ELECTRICAL NOTES:

– – – – EXISTING TO REMAIN
——— NEW CONSTRUCTION

E1 COORDINATE THE EXACT LOCATION OF ALL WIRING DEVICES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH–IN.

E2 ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH–IN.

E3 CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ELECTRICAL INSTALLATIONS IN COMPLIANCE WITH ALL CURRENT ELECTRICAL CODES FOR ANY WORK PERFORMED OR EXTG EQUIPMENT OR INSTALLATIONS.

E4 ALL DEVICES INSTALLED ON EXTG BLOCK OR BRICK WALLS SHALL BE IN SURFACE WIREMOLD. WIREMOLD SHALL MATCH WALL COLOR.

E5 CONTRACTOR SHALL PROVIDE A FIRE ALARM SYSTEM IN STRICT COMPLIANCE WITH NFPA 72 AND IBC. CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE ALL DEVICES PER NFPA CODES BASED UPON OCCUPANCY OF BUILDING, WHETHER INDICATED ON PLANS OR NOT.

E6 CONTRACTOR SHALL VERIFY LOCATIONS OF POWERED DISPLAY CASES WITH OWNER PRIOR TO CONSTRUCTION AND PROVIDE ELECTRICAL CIRCUITS/RECEPTACLES AS REQUIRED.

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320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
RICKEY L. WATSON
102755
LICENSED PROFESSIONAL ENGINEER
SEAL

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SHEET TITLE
LEVEL 3
FLOOR PLAN
POWER

SHEET NO.
E1.03

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SHREVEPORT, LA 71101
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E3 CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ELECTRICAL INSTALLATIONS IN COMPLIANCE WITH ALL CURRENT ELECTRICAL CODES FOR ANY WORK PERFORMED OR EXTG EQUIPMENT OR INSTALLATIONS.

E4 INSTALL ON PIPE-BATTEN GRID. COORDINATE WITH THEATRICAL CONSULTANT.

E5 CONTRACTOR SHALL PROVIDE A FIRE ALARM SYSTEM IN STRICT COMPLIANCE WITH NFPA 72 AND IBC. CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE ALL DEVICES PER NFPA CODES BASED UPON OCCUPANCY OF BUILDING, WHETHER INDICATED ON PLANS OR NOT.

E6 ALL DEVICES INSTALLED ON EXTG BLOCK OR BRICK WALLS SHALL BE IN SURFACE WIREMOLD. WIREMOLD SHALL MATCH WALL COLOR.

E7 CONTRACTOR SHALL COORDINATE THE EXACT REQUIREMENTS FOR THEATRICAL LIGHTING AND SOUND WITH AV CONSULTANT PRIOR TO ROUGH-IN OR BID. REFER TO THEATRICAL SYSTEM SHEETS (TS) FOR ADDITIONAL REQUIREMENTS.

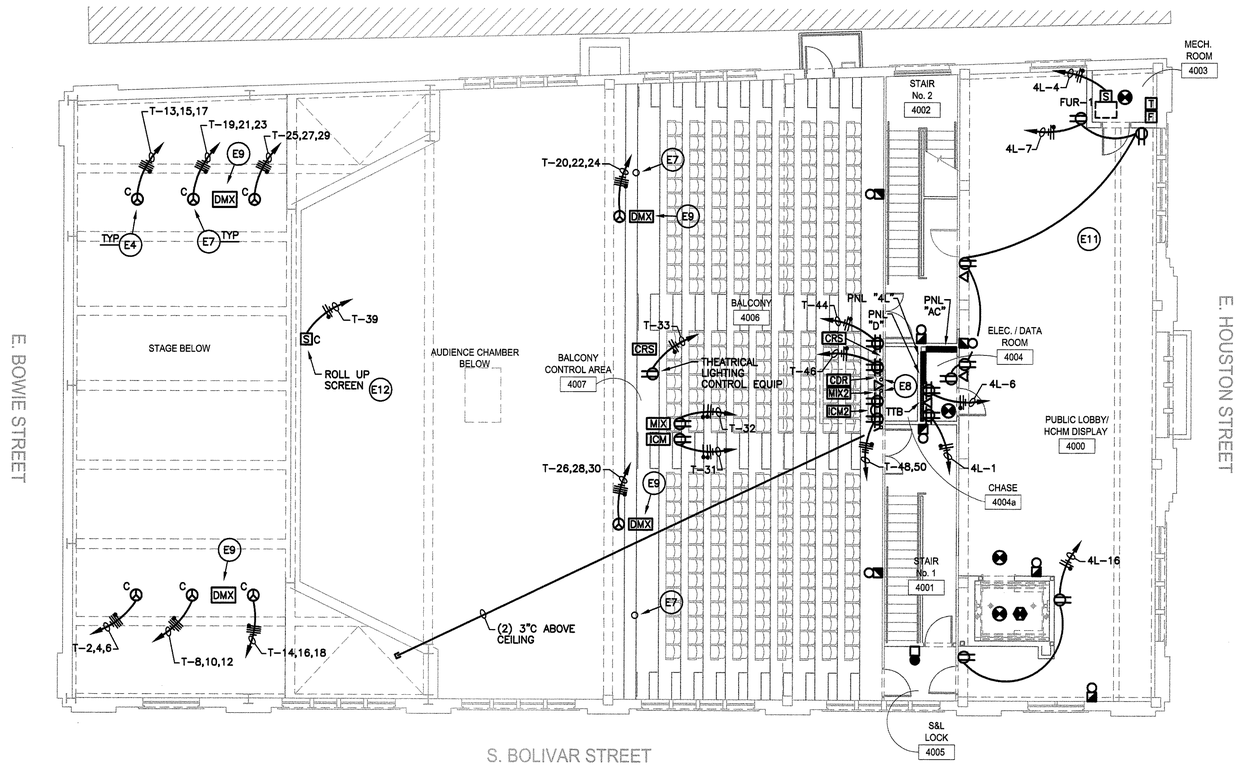
E8 LOCATION OF ALL DMX, CDR, CRS, MIX, IC CONDUITS FROM BOTH 2ND AND 4TH LEVELS. COORDINATE WITH THEATRICAL CONSULTANT AND ARCHITECTURAL PLANS.

E9 PROVIDE 1" CONDUIT FOR CONTROL HOME RUN WIRING TO "CDR" AT UPPER LEVEL.

E10 UNDER ADD ALTERNATE #4, PROVIDE ELECTRICAL FOR RENOVATION INTO MUSEUM SPACE.

E11 CONTRACTOR SHALL VERIFY LOCATIONS OF POWERED DISPLAY CASES WITH OWNER PRIOR TO CONSTRUCTION AND PROVIDE ELECTRICAL CIRCUITS/RECEPTACLES AS REQUIRED.

E12 COORDINATE EXACT LOCATION WITH OWNER/AV CONSULTANT PRIOR TO ROUGH-IN.



N

LEVEL 4 FLOOR PLAN – POWER

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

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2055 F 903.595.5972

STATE OF TEXAS
RICKEY L. WATSON
10/17/11
106706
LICENSED
PROFESSIONAL ENGINEER

SEAL

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	CONSTRUCTION DOCUMENTS	31 MAY 2011

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SHEET TITLE

LEVEL 4
FLOOR PLAN
POWER

SHEET NO.

E1.04

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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ELECTRICAL NOTES:

- ———— EXISTING TO REMAIN
- ———— NEW CONSTRUCTION

(E1) ALL CROSS-HATCHED LIGHTING FIXTURES SHALL CONTAIN A 90-MINUTE MINIMUM, 1400 LUMEN, SELF-TESTING BATTERY PARK CONNECTED TO UNSWITCHED CONDUCTORS.

(E2) ALL EXIT/EMERGENCY LIGHTING FIXTURES SHALL BE CONNECTED TO UNSWITCHED CONDUCTORS.

(E3) COORDINATE THE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS.

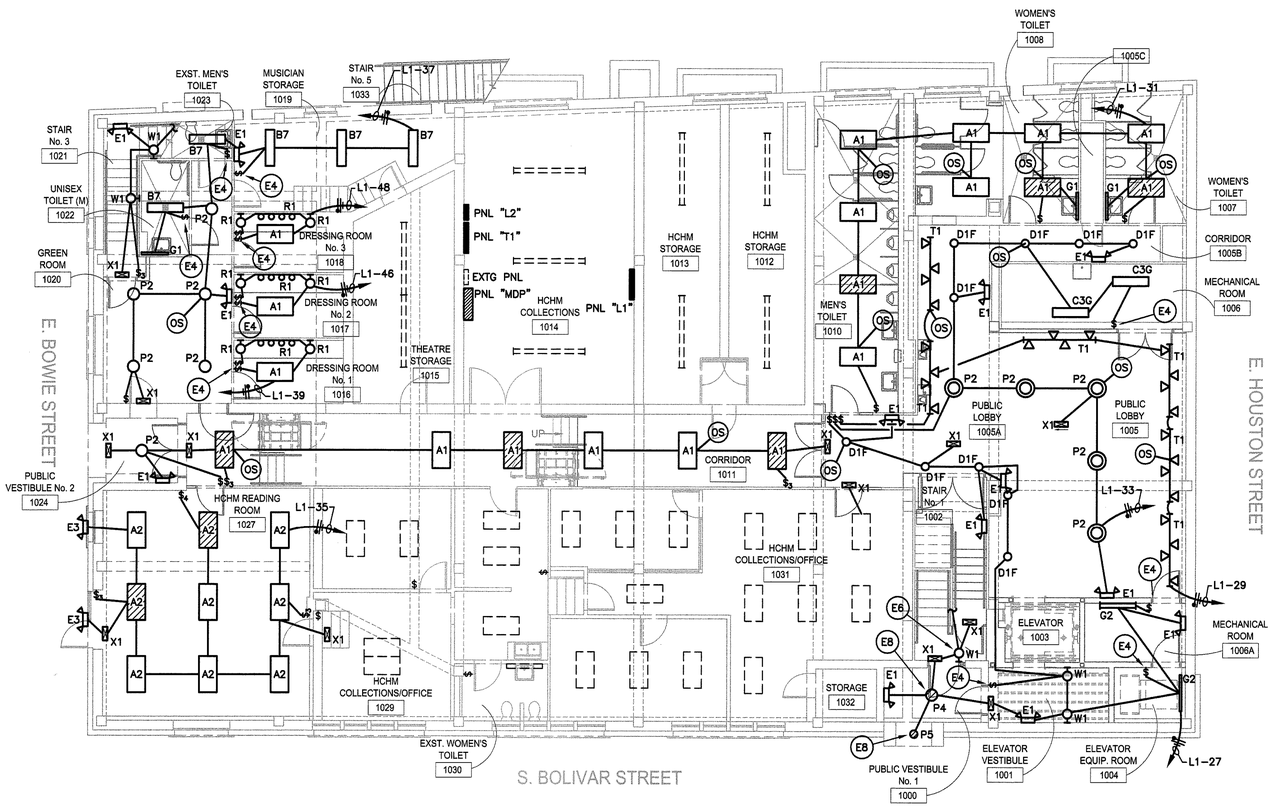
(E4) PROVIDE A WALL MOUNT OCCUPANCY SENSOR, WATTSTOPPER WS200 OR EQUAL.

(E5) ALL DEVICES INSTALLED ON BRICK OR BLOCK WALLS SHALL BE IN SURFACE WIREMOLD. WIREMOLD SHALL MATCH WALL COLOR.

(E6) LIGHTING FIXTURES IN STAIRWAY ARE UNSWITCHED.

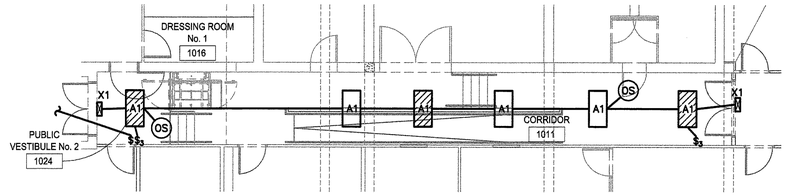
(E7) CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ELECTRICAL INSTALLATIONS IN COMPLIANCE WITH ALL CURRENT ELECTRICAL CODES FOR ANY WORK PERFORMED OR EXTG EQUIPMENT OR INSTALLATIONS.

(E8) FIXTURES ARE CONTROLLED BY PHOTOCELL LOCATED ABOVE EXTERIOR CANOPY.



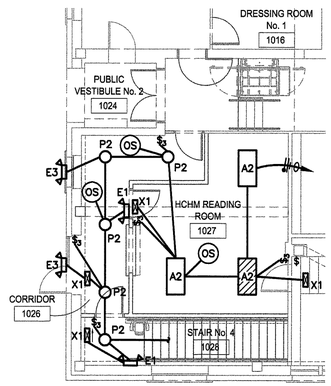
N LEVEL 1 FLOOR PLAN – LIGHTING

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



N LEVEL 1 FLOOR PLAN – ADD ALTERNATE NO. 6 – LIGHTING

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



N LEVEL 1 FLOOR PLAN – ADD ALTERNATE NO. 1 – LIGHTING

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

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2900
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
RICKEY L. WATSON
LICENSED PROFESSIONAL ENGINEER
SEAL

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SHEET TITLE
LEVEL 1
FLOOR PLANS
LIGHTING

SHEET NO. E2.01

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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ELECTRICAL NOTES:

– – – – EXISTING TO REMAIN
——— NEW CONSTRUCTION

(E1) PROVIDE COVE LIGHTS OF DIFFERENT LENGTHS TO MAKE CONTINUOUS ROWS.

(E2) ALL EXIT/EMERGENCY LIGHTING FIXTURES SHALL BE CONNECTED TO UNSWITCHED CONDUCTORS.

(E3) COORDINATE THE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS.

(E4) PROVIDE A WALL MOUNT OCCUPANCY SENSOR, WATTSTOPPER WS200 OR EQUAL.

(E5) ALL DEVICES INSTALLED ON BRICK OR BLOCK WALLS SHALL BE IN SURFACE WIREMOLD. WIREMOLD SHALL MATCH WALL COLOR.

(E6) CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS FOR THEATRICAL LIGHTING WITH THEATRICAL LIGHTING CONSULTANT PRIOR TO ROUGH–IN OR BID.

(E7) INSTALL REFURBISHED FIXTURES AND FANS RETAINED FROM DEMOLITION. EXTERIOR WALL SCONCES SHALL BE PHOTOCELL CONTROLLED.

(E8) HOUSE LIGHTING 24 ZONE DIMMER CONTROL STATION.

(E9) CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ELECTRICAL INSTALLATIONS IN COMPLIANCE WITH ALL CURRENT ELECTRICAL CODES FOR ANY WORK PERFORMED OR EXTG EQUIPMENT OR INSTALLATIONS.

(E10) INSTALL AISLE LIGHTING FIXTURES IN STRICT COMPLIANCE WITH MANUFACTURER'S REQUIREMENTS. PROVIDE AN INVERTER WITH 90–MINUTE MINIMUM BACK UP BATTERY PACKS TO PROVIDE FULL ILLUMINATION OF AISLE LIGHT FIXTURES TYPE "R2." INTERLOCK FIXTURES WITH THE FACP FOR FULL ILLUMINATION WHEN FACP IS ACTIVATED. SEE NOTE E16.

(E11) 4–BUTTON LIGHTING ENTRY CONTROL STATION.

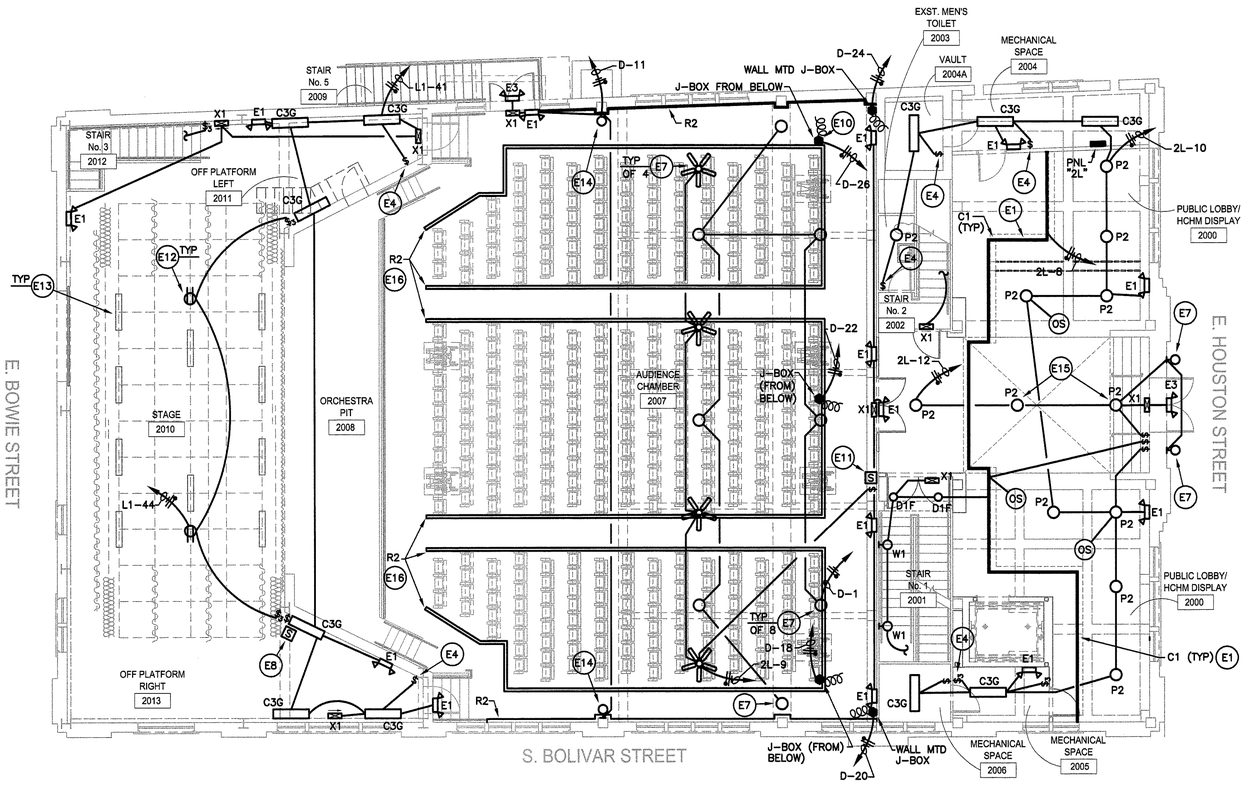
(E12) INSTALL RECEPTACLES ON PIPE BATTEN GRID FOR FLUORESCENT LIGHTS. COORDINATE WITH THEATRICAL LIGHTING CONSULTANT.

(E13) FLUORESCENT FIXTURE SHOWN ON PIPE GRID ARE PROVIDED BY INSTALLED BY THE THEATRICAL EQUIPMENT PROVIDER.

(E14) INSTALL WALL SCONCE RETAINED AND REFURBISHED FROM LEVEL 3.

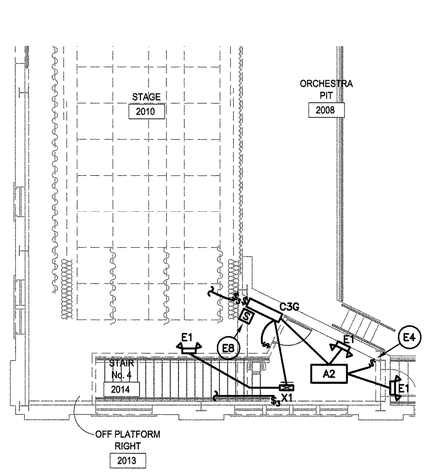
(E15) OMIT LIGHT FIXTURES IF ALTERNATE #5 IS ACCEPTED.

(E16) AISLE LIGHTING FIXTURE LAYOUT IS CONTINGENT UPON SEATING LAYOUT. IF ALTERNATE #2 IS ACCEPTED, LAYOUT SHALL BE ADJUSTED TO FOLLOW NEW SEATING LAYOUT. CONTRACTOR SHALL FIELD VERIFY SEATING LAYOUT WITH SEATING SUPPLIER PRIOR TO INSTALLATION.



N LEVEL 2 FLOOR PLAN – LIGHTING

SCALE: 1/8"=1'–0"



N LEVEL 2 FLOOR PLAN – ADD ALTERNATE NO. 1 – LIGHTING

SCALE: 1/8"=1'–0"

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2600
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
RICKEY L. WATSON
103127
LICENSED PROFESSIONAL ENGINEER

SEAL

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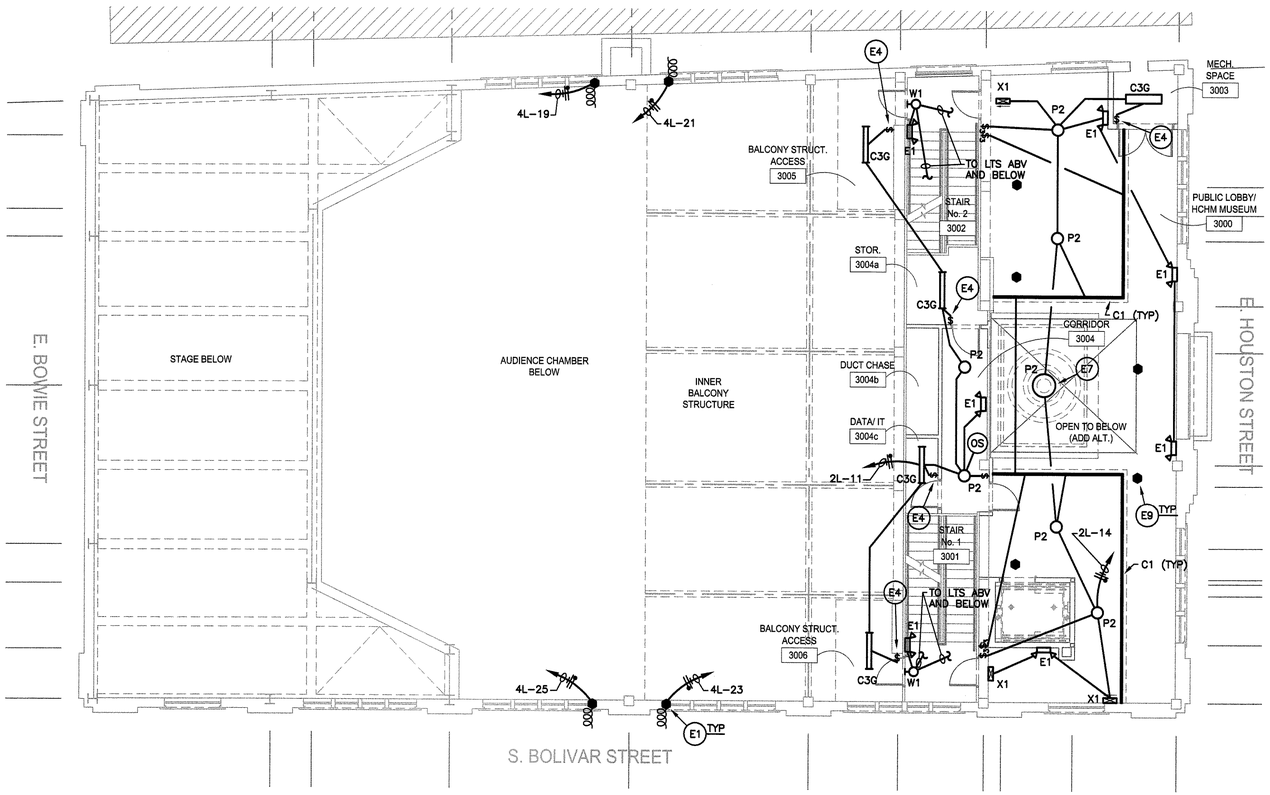
LEVEL 2
FLOOR PLANS
LIGHTING

SHEET NO.

E2.02

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 8564
purtle@purtle.net
Texas Registered Engineering Firm #F–10120
PA–10086

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N

LEVEL 3 FLOOR PLAN – LIGHTING

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

ELECTRICAL NOTES:

– – – – EXISTING TO REMAIN
——— NEW CONSTRUCTION

E1 CONNECT ELECTRIC SHADES. COORDINATE EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.

E2 ALL EXIT/EMERGENCY LIGHTING FIXTURES SHALL BE CONNECTED TO UNSWITCHED CONDUCTORS.

E3 COORDINATE THE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS.

E4 PROVIDE A WALL MOUNT OCCUPANCY SENSOR, WATTSTOPPER WS200 OR EQUAL.

E5 ALL DEVICES INSTALLED ON BRICK OR BLOCK WALLS SHALL BE IN SURFACE WIREMOLD. WIREMOLD SHALL MATCH WALL COLOR.

E6 CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS FOR THEATRICAL LIGHTING WITH THEATRICAL LIGHTING CONSULTANT PRIOR TO ROUGH-IN OR BID.

E7 IF ADD ALTERNATE IS ACCEPTED, INSTALL OWNER PROVIDED FIXTURE.

E8 CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ELECTRICAL INSTALLATIONS IN COMPLIANCE WITH ALL CURRENT ELECTRICAL CODES FOR ANY WORK PERFORMED OR EXTG EQUIPMENT OR INSTALLATIONS.

E9 UNDER ADD ALTERNATE #4, PROVIDE ROUGH-IN FOR MUSEUM TRACK LIGHTING. COORDINATE LOCATION WITH ARCHITECT. SEE ARCHITECTURAL PLANS.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
RICKEY L. WATSON
106703
LICENSED
PROFESSIONAL ENGINEER

SEAL

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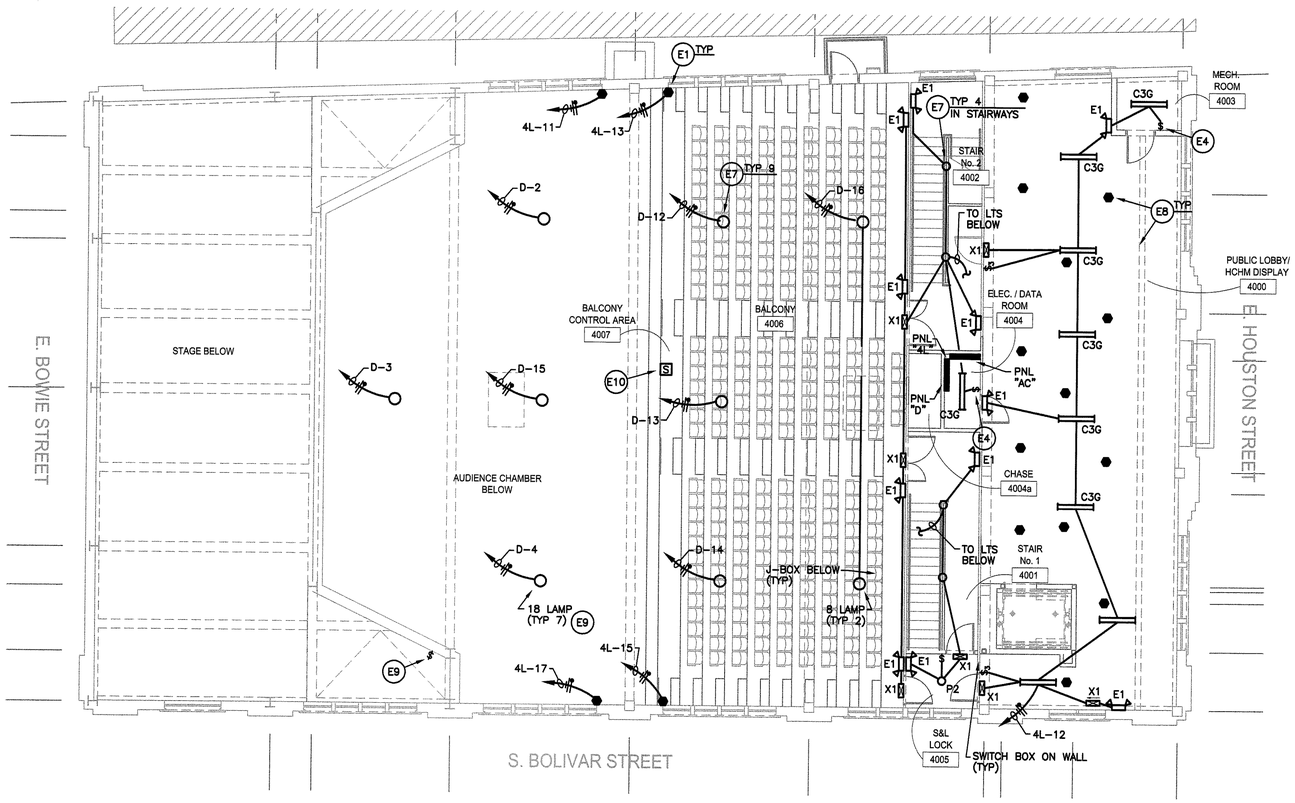
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SHEET TITLE
LEVEL 3
FLOOR PLAN
LIGHTING

SHEET NO.
E2.03

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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N

LEVEL 4 FLOOR PLAN – LIGHTING

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

ELECTRICAL NOTES:

---- EXISTING TO REMAIN
——— NEW CONSTRUCTION

E1 CONNECT ELECTRIC SHADES. COORDINATE EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.

E2 ALL EXIT/EMERGENCY LIGHTING FIXTURES SHALL BE CONNECTED TO UNSWITCHED CONDUCTORS.

E3 COORDINATE THE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS.

E4 PROVIDE A WALL MOUNT OCCUPANCY SENSOR, WATTSTOPPER WS200 OR EQUAL.

E5 ALL DEVICES INSTALLED ON BRICK OR BLOCK WALLS SHALL BE IN SURFACE WIREMOLD. WIREMOLD SHALL MATCH WALL COLOR.

E6 CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS FOR THEATRICAL LIGHTING WITH THEATRICAL LIGHTING CONSULTANT PRIOR TO ROUGH-IN OR BID.

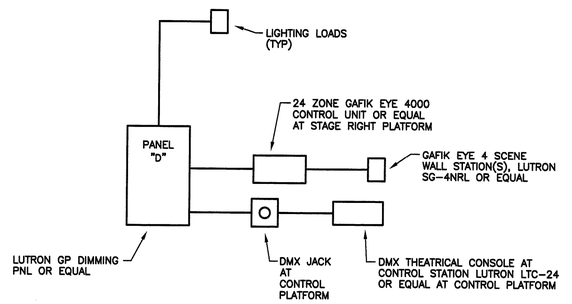
E7 REINSTALL REFURBISHED FIXTURES RETAINED FROM DEMOLITION. PROVIDE 100W, A-19 LAMPS.

E8 UNDER ADD ALTERNATE #4, PROVIDE ROUGH-IN FOR MUSEUM LIGHTING. COORDINATE LOCATION WITH ARCHITECT. SEE ARCHITECTURAL PLANS.

E9 PROVIDE A MOTORIZED HOIST LOWERING SYSTEM FOR EACH OF THE 18-LAMP CHANDELIERS, TOTAL OF 7. LOCATE CONTROLS AT STAGE. SYSTEM SHALL BE LIGHTING AND LOWERING SYSTEM #CELS-300 OR EQUAL. MOTORS SHALL BE ABOVE CEILING GRID. CONNECT TO PNL "4L".

E10 HOUSE LIGHTING DIMMER CONTROL STATION. VERIFY LOCATION.

E11 CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ELECTRICAL INSTALLATIONS IN COMPLIANCE WITH ALL CURRENT ELECTRICAL CODES FOR ANY WORK PERFORMED OR EXTG EQUIPMENT OR INSTALLATIONS.



DIMMING SYSTEM CONTROL LAYOUT

NO SCALE

NOTE: CONTRACTOR SHALL PROVIDE ALL HARDWARE, INTERFACES, ADDITIONAL UNITS, ETC AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
RICKEY L. WATSON
102765
LICENSED PROFESSIONAL ENGINEER
SEAL

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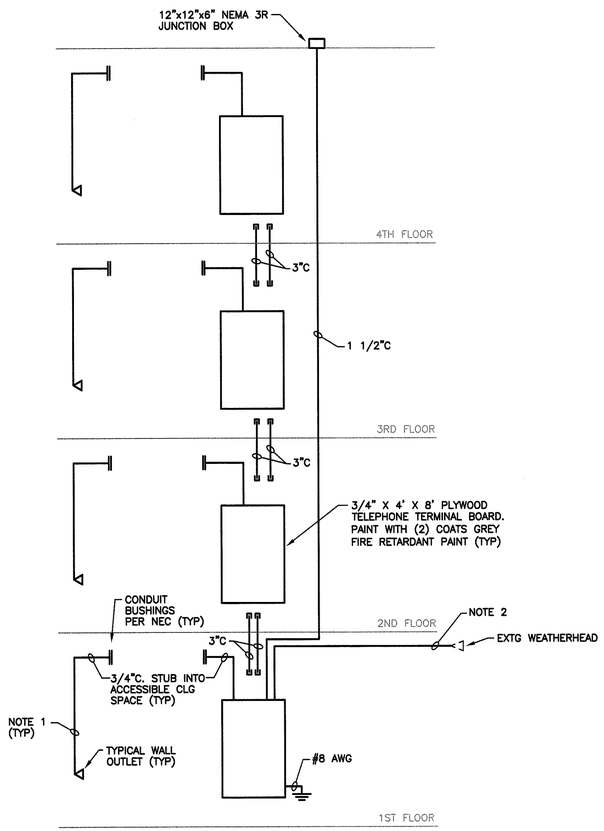
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SHEET TITLE
LEVEL 4
FLOOR PLAN
LIGHTING

SHEET NO.
E2.04

P+A
PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 8584
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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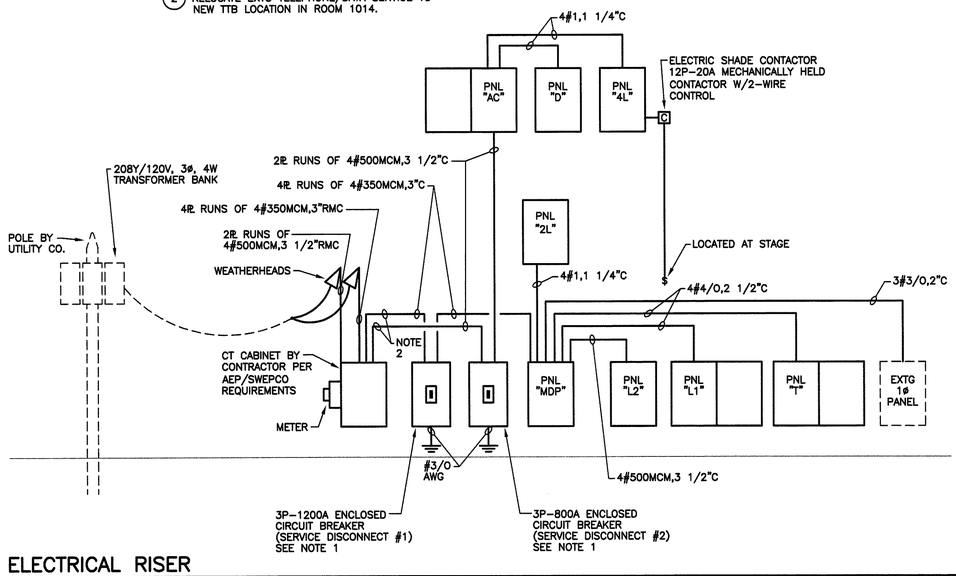


TELEPHONE/DATA RISER

NO SCALE

NOTES:

1. PROVIDE PULL STRINGS IN ALL CONDUITS.
2. RELOCATE EXTG TELEPHONE/DATA SERVICE TO NEW TTB LOCATION IN ROOM 1014.



ELECTRICAL RISER

NO SCALE

NOTES:

1. ENCLOSED CIRCUIT BREAKER CABINET SHALL BE SQ-D, NEMA 3R, MODEL P1200R OR EQUAL. ENCLOSURE SHALL NOT EXCEED 12 1/2" TOTAL DEEP AND 22" WIDE.
2. ENTER CONDUITS THRU WALL AT EXTG LOCATION. PATCH WALL AS REQUIRED. COORDINATE WITH ARCHITECT.

LIGHTING FIXTURE SCHEDULE

MARK	TYPE	MOUNTING	MANUFACTURER CATALOG NO.	LAMPS QTY & TYPE	DESCRIPTION	ALTERNATE MANUFACTURER
A1	2x4 TROFFER 2-LAMP LENSED	CEILING RECESSED GRID	DAYBRITE 2DPG232FA126EB10I 1/2EB	(2) F32T8/SPX35	.125 MIN THK LENS WITH FLAT ALUMINUM DOOR	HUBBELL: 4PS24232GFA A12.125MEU LITHONIA: 2SPG8232FNA12 MMVOLTGEB10IS COOPER: 2GCFAN232A125 UNVEB81U
A2	2x4 TROFFER 3-LAMP LENSED	CEILING RECESSED GRID	DAYBRITE 2DPG332FA126EB10I 1/3EB	(3) F32T8/SPX35	.125 MIN THK LENS WITH FLAT ALUMINUM DOOR	HUBBELL: 4PS24332GFA A12.125M3EU LITHONIA: 2SPBG332FNA12 MMVOLT1/3GEB COOPER: 2GCFAN332A125 UNVEB81U
B7	WIDE WRAPAROUND 2-LAMP	CEILING SURFACE	DAYBRITE CAW232UNV1/2EB10I	(2) F32T8/SPX35	15" WIDE BODY; 3" DEEP STEEL HOUSING	HUBBELL: WCW4232EU LITHONIA: 2LB232MVOLT GEB10IS COOPER: WSA232AUNVEB T81U
C1	LINEAR COVE LIGHT	COVE	WILLIAMS 724132	(1) F32T8/SPX35	UNIVERSAL BALLAST; PROVIDE VARIOUS LENGTHS FOR CONTINUOUS ROWS; LOW PROFILE	OR EQUAL
C3G	4' 2-LAMP STRIP NON-LENSED STD LAMPS WIREGUARD	CEILING SURFACE	DAYBRITE T232-1/2EB10I TSR4-C173	(2) F32T8/SPX35	STANDARD STRIP SYMMETRICAL REFLECTOR WITH WIREGUARD	HUBBELL: CS4232EUCSR4 CSWG4 LITHONIA: C232MVOLTGEB WGCUNNSTCSMR48 COOPER: SS232UNVEB81U WGSS4FT
D1	6" APERTURE FLUORESCENT DOWNLIGHT	CEILING RECESSED	CAPRI CM6F126/32/42U H65SL	(1) CFQ26W/G24q	LOW IRIDESCENT CLEAR REFLECTOR; ELECTRONIC BALLAST SELF-FLANGED	PRESCOLITE: LF6CFH126 EB6CFHWTB24 GOTHAM: AF126DTT6AR MVOLTTRW COOPER: PD6H126E6HC
D1F	6" APERTURE FLUORESCENT DOWNLIGHT	CEILING RECESSED	CAPRI CM6F226/32/42U H65SL	(2) CFQ26W/G24q	LOW IRIDESCENT CLEAR REFLECTOR; ELECTRONIC BALLAST SELF-FLANGED	PRESCOLITE: LF6CFH226 EB6CFHWTB24 GOTHAM: AF226DTT6AR MVOLTTRW COOPER: PD6H226E6HC
E1	EMERGENCY LIGHT	CEILING/ WALL	MCPHILBEN CTX6N24WCSWF 6V/24W	12W HALOGEN	NICAD BATTERY; THERMOPLASTIC	DUALITE: LITHONIA: ELM627H120GN COOPER: CC5NCWH266
E3	EMERGENCY LIGHT ARCHITECTURAL	WALL	MCPHILBEN PDNW	6V, 6W HALOGEN	NICAD BATTERY; DIE-CAST HOUSING; SELF DIAG.	EMERGILITE: LUXNZU LITHONIA: AFNWPREM COOPER: AEL1WHSD
G1	VANITY LIGHT	WALL SURFACE	SCHOOL HOUSE ELECTRIC WM4622-25	(2) 40W A19	MATTE BRONZE SHADE: SCOP9841042-25	NONE
G2	4' WALL BRACKET 2-LAMP-LENSED	WALL	DAYBRITE CB232W-1/2EB10I	(2) F32T8/SPX35	WITHOUT PULL CHAIN OR SWITCH UP/DOWN LIGHT	HUBBELL: WAL41U1D32EU LITHONIA: WP232MVOLT GEB10IS COOPER: BIU232UNVEB81U
P2	SCHOOL HOUSE FIXTURE	CEILING SURFACE	SCHOOL HOUSE ELECTRIC CM1216	(1) 100W A19	MATTE BRONZE SHADE: OP-2265-13-6	NONE
P3	CHANDELIER	CEILING PENDANT			OWNER PROVIDED	
P4	EXTERIOR SURFACE FIXTURE	CEILING SURFACE	KENALL MR13FLPPMW 26Q1120EL	(1) 26W QUAD PIN CFL	VANDAL RESISTANT; EMERGENCY BATTERY BALLAST; WHITE	LUMINAIRE MORELITE NEWSTAR
P5	EXTERIOR SURFACE FIXTURE	CEILING SURFACE	KENALL MO13FLPPMW 18Q1120	(1) 18W QUAD PIN CFL	VANDAL RESISTANT; WHITE; EMERGENCY BATTERY BALLAST	LUMINAIRE MORELITE NEWSTAR
R1	DRESSING ROOM WITH WIREGUARD	WALL SURFACE	COLE VS-WG-VS-9" WG-XX	(1) 60W G25 @ 9" O.C.	VERIFY LENGTH WITH ARCHITECT PRIOR TO ORDER, 9" SPACINGS	OR EQUAL
R2	AISLE LIGHTING	FLOOR SURFACE	TIVOLI SACCYL 04C8	YELLOW LED	4" O.C. LED; PROVIDE SOFT AISLE FLOOR REDUCER AND TRANSFORMERS, 4-CIRCUIT AND 1-CIRCUIT AS REQUIRED	
T1	TRACK LIGHT	CEILING SURFACE	JUNO T687JH	(1) 35W PAR 20	4', 6', OR 8' TRACKS PER PLAN; PROVIDE ALL ACCESSORIES	
W1	WALL SCONCE	WALL SURFACE	WINONA 4112F120-OAXXX	(2) CFT13W GX23 BASE	FINISHES SELECTED BY ARCHITECT	NONE
X1	EXIT SIGN-DIE CAST SINGLE FACE	CEILING/ WALL	MCPHILBEN ER55L1WR	LED	NICAD BATTERY. FRONT DIFFUSER PLATE ARROWS AS REQUIRED DIE CAST HOUSING	DUALITE: SESRWE LITHONIA: LESW1RELNSD COOPER: CX7117ORWSD

NOTE: VERIFY ALL FIXTURE SELECTIONS WITH ARCHITECT.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
———	CONDUIT IN WALL OR ABOVE CEILING
- - - - -	CONDUIT UNDER FLOOR OR UNDERGROUND
	ARROW INDICATES HOMERUN, TICKMARKS: NEUTRAL, PHASE, GROUND
—T—	TELEPHONE CONDUIT
—E—	EMERGENCY CIRCUIT CONDUIT
	TELEPHONE BOARD
	LIGHTING & APPLIANCE PANEL
	POWER PANEL
	SPECIAL PANEL
● ; ◉	JUNCTION BOX; FLUSH FLOOR JUNCTION BOX
F ; F	DISCONNECT SWITCH; FUSED; NONFUSED
▽ ; ▼	TELEPHONE/DATA OUTLET ; ABOVE COUNTER
▼W	WALL MOUNTED TELEPHONE
⊙	FLUSH FLOOR RECEPTACLE
▽	FLUSH FLOOR TELEPHONE/DATA OUTLET
Y	SPECIAL RECEPT; VERIFY TYPE
	2 POLE; 3 WIRE RECEPTACLE
⊕ ; ⊕	DUPLEX RECEPT; ABOVE COUNTER
WP ; GFI	WEATHERPROOF; GROUND FAULT
	QUAD PLEX RECEPTACLE
	FLOOR MOUNTED RECEPTACLE
⊙▽◉M	GANGED FLOOR BOX
$; $3 ; $4	SINGLE POLE SWITCH; 3-WAY; 4-WAY
$P ; $D ; $K	PILOT LIGHT; DIMMER; KEYED SWITCH
AFF ; C	ABOVE FINISHED FLOOR; CEILING MOUNTED
	PULL STATION
	FIRE ALARM SYSTEM SPEAKER/VISUAL SIGNAL
	FIRE ALARM SYSTEM VISUAL SIGNAL
	SMOKE DETECTOR
	HEAT DETECTOR
D	DUCT MOUNTED SMOKE DETECTOR
D	DOOR HOLDER
	PUSH BUTTON
S	CEILING SPEAKER
S	WALL MOUNTED SPEAKER
M	MICROPHONE OUTLET
M	FLUSH FLOOR MICROPHONE OUTLET
	CLOCK
	TV/CTV OUTLET
	MOTOR
S	MOTOR TOGGLE SWITCH
FT	FLOW & TAMPER SWITCH
OS	OCCUPANCY SENSOR
DMX	LTG CONTROL DMX OUTPUT RECEPT
CRS	LTG CTRL CONSOLE DMX INPUT RECEPT STA.
CDR	LIGHTING CONTROL DMX DISTRIBUTION

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BRODWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
RICKEY D. WATSON
102735
LICENSED PROFESSIONAL ENGINEER

SEAL

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SHEET TITLE

ELECTRICAL SCHEDULES AND RISERS

SHEET NO.

E3.01

P+A PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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PANEL "MDP"

208Y/120 VOLTS, 3 PHASE, 4 WIRE, 1200 AMPS, MAIN LUGS ONLY

25,000 AMPS. RMS. SYM. I.C. INTEGRATED EQUIPMENT RATING

SERVES	TRIP	A ø	B ø	C ø	TRIP	SERVES
PANEL "L1"	225	10.1	5.2		125	PANEL "2L"
	3		11.0	4.2	3	
PANEL "L2"	400	28.9		8.9	4.0	125	SPARE
	3		28.9		3	
PANEL "T"	225	20.0	14.0		225	ELEVATOR
	3		20.2	14.0	3	
SHOW DISC.	200	20.0	10.0		19.8	14.0	200	EXTG PANEL
	3		20.0	10.0	2	
SPACE W/PROV				20.0		SPACE W/PROV

108.2	108.3	96.10

TOTAL CONN. LOAD 312.6 KVA

312.6 KVA (2.78) (1.25) = 1086.3A

+ SHUNT TRIP

PANEL "D"

208Y/120 VOLTS, 3 PHASE, 4 WIRE, 125 AMPS, MAIN LUGS ONLY

10,000 AMPS. RMS. SYM. I.C. INTEGRATED EQUIPMENT RATING

SERVES	TRIP	A ø	B ø	C ø	TRIP	SERVES
LIGHTS	20	1.2	1.1		20	LIGHTS
			1.1	1.1		
SPARE						SPARE
LIGHTS				1.0	1.1		LIGHTS
SPARE		1.1	1.1			AISLE LIGHTS
			1.1	1.1		
		0.5			0.5		
			0.5			
				0.4		
		0.5				SPARE

5.5	4.9	3.1

TOTAL CONN. LOAD 13.5 KVA

+ LUTRON GP301204ML20 DIMMING PANEL OR EQUAL

PANEL "2L"

208Y/120 VOLTS, 3 PHASE, 4 WIRE, 125 AMPS, MAIN LUGS ONLY

10,000 AMPS. RMS. SYM. I.C. INTEGRATED EQUIPMENT RATING

SERVES	TRIP	A ø	B ø	C ø	TRIP	SERVES
RECEPT	20	0.8	0.8		20	RECEPTS
			0.4	0.4		
				0.8	0.6		
		0.6	1.6			LIGHTS
FANS			1.2	1.6		
LIGHTS				1.4	0.8		
RECEPT		0.4	1.0			
			0.4	0.2		SPARE
				0.4		
SPARE						
						SPACE
SPACE						

5.2	4.2	4

TOTAL CONN. LOAD 13.4 KVA

PANEL "4L"

208Y/120 VOLTS, 3 PHASE, 4 WIRE, 125 AMPS, MAIN LUGS ONLY

10,000 AMPS. RMS. SYM. I.C. INTEGRATED EQUIPMENT RATING

SERVES	TRIP	A ø	B ø	C ø	TRIP	SERVES
RECEPT	20	0.4			20	SPARE
SPARE			0.6			FUR-1
				0.4		RECEPTS
RECEPT		0.4				SPARE
SPARE						
MOTORIZED SHADES				1.1	1.5		LIGHTS
		1.1	0.8			RECEPTS
			1.1	0.4		
				1.1		SPARE
		1.1				
			1.1			
				1.1		
		1.1				SPACE
SPARE						
SPACE						

4.9	3.2	5.2

TOTAL CONN. LOAD 13.3 KVA

+ THRU CONTACTOR

PANEL "L1"

208Y/120 VOLTS, 3 PHASE, 4 WIRE, 225 AMPS, MAIN LUGS ONLY

10,000 AMPS. RMS. SYM. I.C. INTEGRATED EQUIPMENT RATING

SERVES	TRIP	A ø	B ø	C ø	TRIP	SERVES
RECEPTS	20	0.6	0.4		20	RECEPTS
			0.5	0.4		
				0.5	1.0		
		0.5	1.0			
			0.5	0.6		
		0.5	0.6			EWC
			0.5	0.6		
				0.5	0.6		RECEPT
		0.6	0.2			SPARE
FACP			0.6	0.2		ELEV PIT
RECEPT				0.4	0.2		ELEV ROOM
		0.4	0.4			RECEPT
LIGHTS			1.0	1.0		ELEV SUMP PUMP
				1.2	1.0		ELEV CAB LIGHTS
		0.8	0.6			RECEPT
			1.1			SPARE
				0.8		
		1.1				
			1.8			
				0.6		
LIFT		1.4	1.0			LIGHTS
			1.4	1.0		
					1.0		
SPARE						SPARE

10.10	11	8.9

TOTAL CONN. LOAD 30 KVA

+GFI BREAKER

PANEL "L2"

208Y/120 VOLTS, 3 PHASE, 4 WIRE, 400 AMPS, MAIN LUGS ONLY

10,000 AMPS. RMS. SYM. I.C. INTEGRATED EQUIPMENT RATING

SERVES	TRIP	A ø	B ø	C ø	TRIP	SERVES
AHU-1	80	7.2			50	SPARE
	3		7.2		3	
AHU-2	80			7.2		50	AHU-3
	3	7.2	4.0			3	
AHU-4	50		7.2	4.0		
	3	4.0				SPACE
WH	40		4.0			
	40	3.5		4.0		
	3		3.5			
SPARE	40			3.0		
	20	3.0				
			3.0			
				3.5		

28.9	28.9	29.4

TOTAL CONN. LOAD 86.7 KVA

PANEL "T"

208Y/120 VOLTS, 3 PHASE, 4 WIRE, 225 AMPS, MAIN LUGS ONLY

10,000 AMPS. RMS. SYM. I.C. INTEGRATED EQUIPMENT RATING

SERVES	TRIP	A ø	B ø	C ø	TRIP	SERVES
RECEPTS	20	1.8	1.8		20	RECEPTS
			1.8	1.8		
	3			1.8	1.8	3	
	20	1.8	1.8			20	
			1.8	1.8		
	3			1.8	1.8	3	
	20	1.8	1.8			20	
			1.8	1.8		
	3			1.8	1.8	3	
	20	1.8	1.8			20	
			1.8	1.8		
	3			1.8	1.8	3	
	20	1.8	1.8			20	
			1.8	1.8		
	3			1.8	1.8	3	
RECEPT	20	0.4	0.4			20	
RECEPT			0.4	0.4		RECEPT
SPARE					0.4		SPEAKER
		0.4					SPEAKERS
SCREEN		0.6	0.4				
SPARE				0.6	0.4		
		0.4				RECEPTS
			0.4			
				0.4		
		0.4				
						SPARE

20	20.2	19.8

TOTAL CONN. LOAD 60 KVA

PANEL "AC"

208Y/120 VOLTS, 3 PHASE, 4 WIRE, 800 AMPS, MAIN LUGS ONLY

10,000 AMPS. RMS. SYM. I.C. INTEGRATED EQUIPMENT RATING

SERVES	TRIP	A ø	B ø	C ø	TRIP	SERVES
HP-1	35	2.1	1.4		30	HP-4
			2.1	1.4	2	
	3			2.1	3.7	60	CU-1
HP-2	35	2.1	3.7			
			2.1	3.7	3	
	3			2.1	7.7	80	RTU-2
HP-3	30	1.4	7.7			
	2		1.4	7.7	3	
RTU-1	80			8.7	8.7	80	RTU-3
		8.7	8.7			
	3		8.7	8.7	3	
RTU-4	70			8.7	9.6	100	AHU-5
		8.7	9.6			
	3		8.7	9.6	3	
PANEL "4L"	125			5.2	4.0	70	HP-5
		4.9	4.0			
	3		3.2	4.0	3	
PANEL "D"	125			3.1		60	SPARE
		5.5				
	3		4.9		3	
WH	40			3.5	3.5	40	WH
MSC/MH-1	20	1.2					SPACE W/PROV
	2		1.2			
SPARE	20					
	2					
MSC/MH-2	20		1.2			
	2			1.2		
SPARE	30					
	3					

69.7	68.6	71.8

TOTAL CONN. LOAD 210.1 KVA

210.1 KVA (2.78) (1.25) = 730A

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2600
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
RICKEY L. WATSON
104753
LICENSED PROFESSIONAL ENGINEER

SEAL

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SHEET TITLE

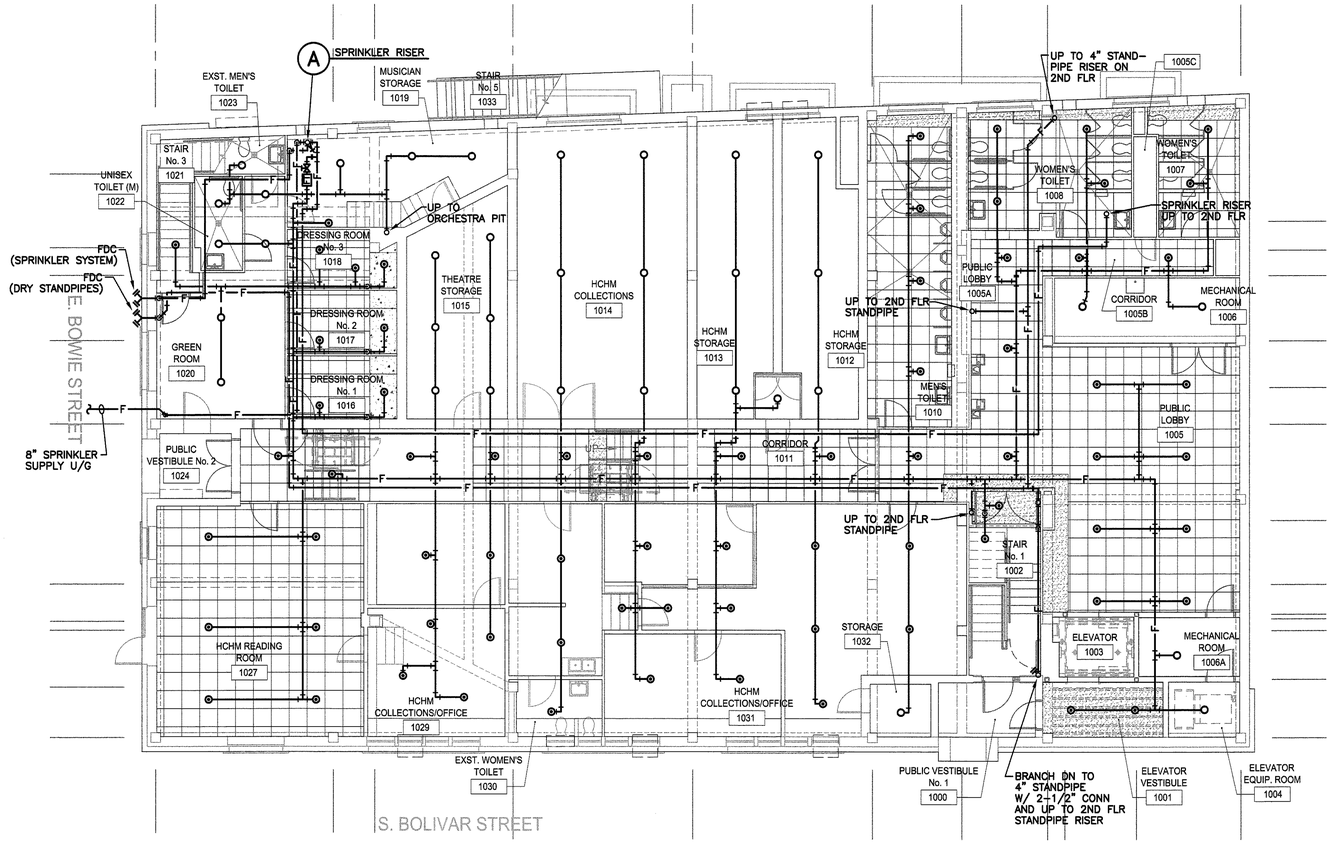
ELECTRICAL SCHEDULES

SHEET NO.

E3.02

P+A
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
PURTLE + ASSOCIATES CONSULTING ENGINEERS
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

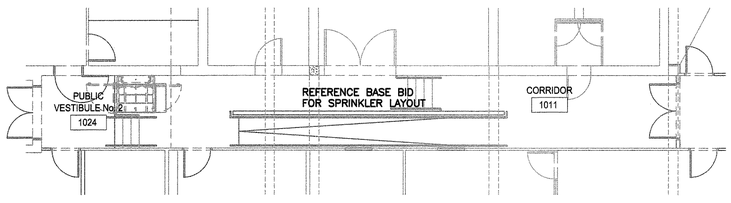
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LEVEL 1 FLOOR PLAN – FIRE PROTECTION

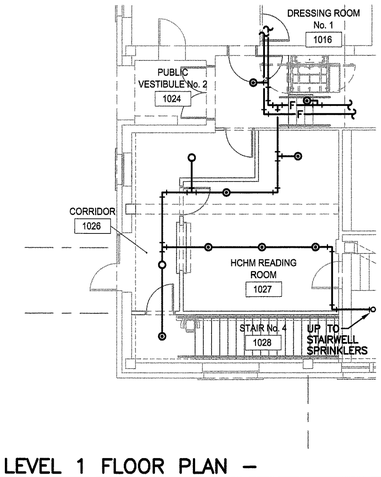
SCALE: 1/8"=1'-0"



N

LEVEL 1 FLOOR PLAN – ADD ALTERNATE NO. 6 – FIRE PROTECTION

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



N

LEVEL 1 FLOOR PLAN – ADD ALTERNATE NO. 1 – FIRE PROTECTION

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

GENERAL FIRE PROTECTION NOTES:

– – – – EXISTING TO REMAIN
——— NEW CONSTRUCTION

GF1 THESE PLANS ARE SCHEMATIC IN NATURE AND FOR GENERAL GUIDANCE IN DESIGN ONLY. THEY SHOULD NOT BE USED AS SHOP DRAWINGS. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY MODIFICATIONS/ ADJUSTMENTS/ETC. TO SPRINKLER SYSTEM DESIGN (AT NO ADDITIONAL COST TO OWNER) IN ORDER TO SUPPLY A CODE COMPLIANT SPRINKLER AND STANDPIPE SYSTEM THAT IS IN STRICT ACCORDANCE WITH THE CITY OF MARSHALL FIRE DEPARTMENT AND HARRISON COUNTY FIRE MARSHAL'S OFFICE, AS WELL AS OWNER'S INSURANCE PROVIDER. SPRINKLER CONTRACTOR SHALL COORDINATE ALL OVERHEAD PIPING AND RISERS/STANDPIPES THRU UPPER FLRs WITH ALL OTHER TRADES PRIOR TO INSTALLATION IN ORDER TO PREVENT CONFLICTS AND UNDUE DELAYS IN THE PROGRESS OF THE WORK.

GF2 AUTOMATIC SPRINKLER SYSTEMS SHALL BE INSTALLED IN STRICT ACCORDANCE W/ REQUIREMENTS SET FORTH FOR EXTG BLDGs BY THE INTERNATIONAL FIRE CODE, 2009 EDITION, AS WELL AS ALL OTHER LOCAL CODE ORDINANCES FOR FIRE SUPPRESSION SYSTEMS.

GF3 INSTALL MANUAL DRY STANDPIPES IN STAIRWELLS AS HAS BEEN APPROVED BY HARRISON COUNTY FIRE MARSHAL.

GF4 DO NOT INSTALL HOSE CONNECTIONS IN STAGE AS HAS BEEN APPROVED BY HARRISON COUNTY FIRE MARSHAL.

GF5 INSTALL DRAINS PER NFPA 13 WHERE REQUIRED FOR DRAINING SYSTEM.

GF6 ALL AREAS WITH LAY-IN CEILINGS SHALL HAVE SEMI-RECESSED HEADS UNLESS NOTED OTHERWISE.

GF7 PIPING IN FINISHED SPACES THAT IS ROUTED THROUGH EXPOSED STRUCTURAL CLG AREAS SHALL BE MOUNTED TIGHT TO STRUCTURE AND IN A MANNER THAT MINIMIZES VISIBILITY. OWNER PREFERS USE OF SIDEWALL HEADS IN THESE AREAS WHERE POSSIBLE. COORDINATE EXACT ROUTING AND METHODS OF SPRINKLER HEAD CONCEALMENT W/ ARCHITECT, AND PAINT AS DIRECTED BY ARCHITECT. DO NOT ROUTE ANY NEW SPRINKLER PIPING THROUGH EXTG STRUCTURAL MEMBERS UNLESS WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER HAS BEEN OBTAINED.

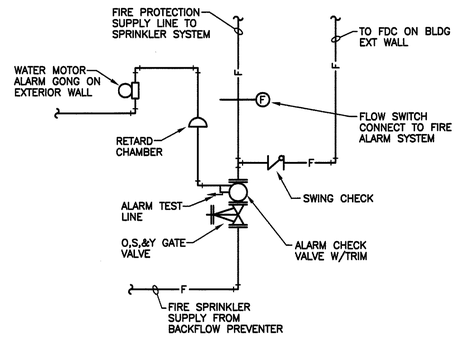
GF8 PROVIDE COMPLETE DESIGN AND CALCULATIONS PER THE SPECIFICATIONS BASED UPON ORDINARY HAZARD OCCUPANCY.

GF9 SPRINKLER HEAD SHALL BE IN CENTER OF LAY-IN CLG TILES (BOTH NEW AND USED) UNLESS APPROVED OTHERWISE BY ARCHITECT.

GF10 SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY EXTG CLG TILES TO REMAIN THAT ARE DAMAGED DURING INSTALLATION OF NEW PIPING AND/OR SPRINKLER SYSTEM COMPONENTS.

FIRE PROTECTION LEGEND

SYMBOL	DESCRIPTION
—F—	FIRE LINE
⊳	CONCEALED SIDEWALL SPRINKLER HEAD
○	UPRIGHT BRASS SPRINKLER HEAD
◉	RECESSED PENDANT SPRINKLER HEAD
FDC	FIRE DEPARTMENT CONNECTION
FT	FLOW AND TAMPER SWITCH
	FLOOR CONTROL VALVE



A

DETAIL – SPRINKLER SYSTEM RISER DIAGRAM

NO SCALE

P+A
PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85825
LICENSED
PROFESSIONAL ENGINEER

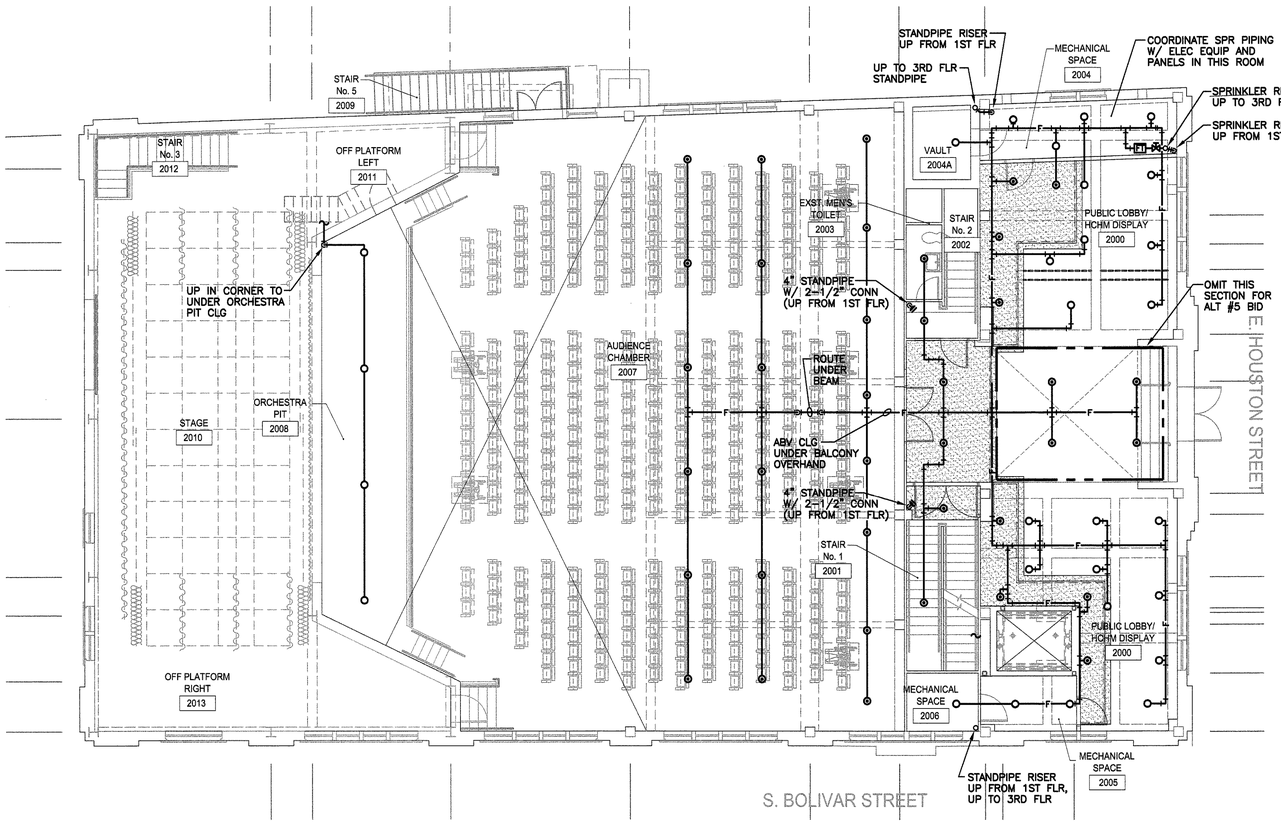
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SHEET TITLE
LEVEL 1
FLOOR PLANS
FIRE PROTECTION

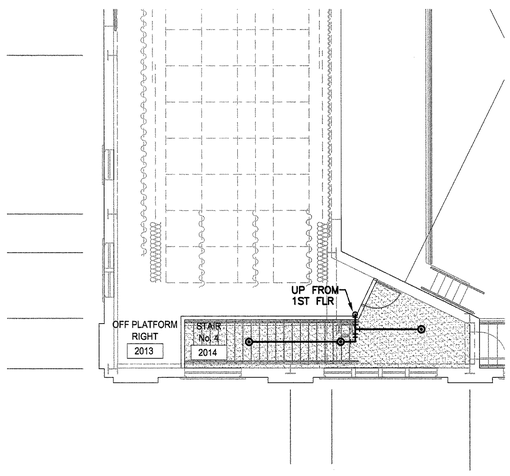
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FP1.01



N

LEVEL 2 FLOOR PLAN – FIRE PROTECTION (BASE BID)

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

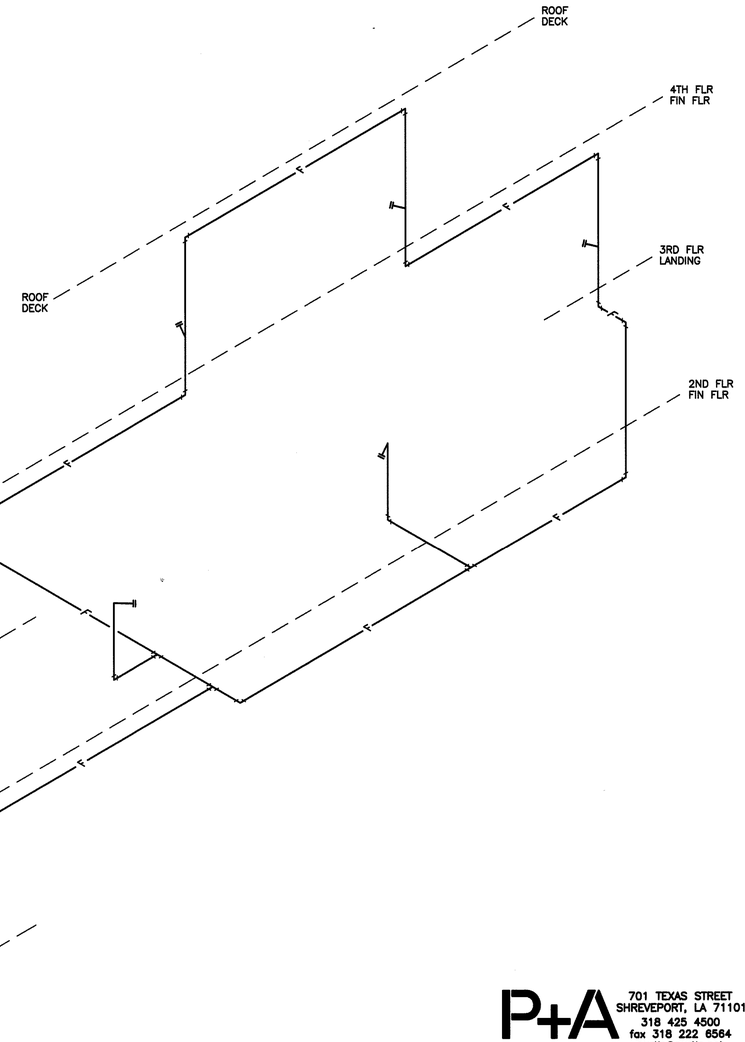


N

LEVEL 2 FLOOR PLAN – ADD ALTERNATE NO. 1 – FIRE PROTECTION

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

SEE SHEET FP1.01 FOR GENERAL FIRE PROTECTION NOTES AND LEGEND.



MANUAL STANDPIPE SYSTEM RISER

NO SCALE

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85825
LICENSED PROFESSIONAL ENGINEER
SEAL

NO.	SUBMISSION	DATE
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SHEET TITLE

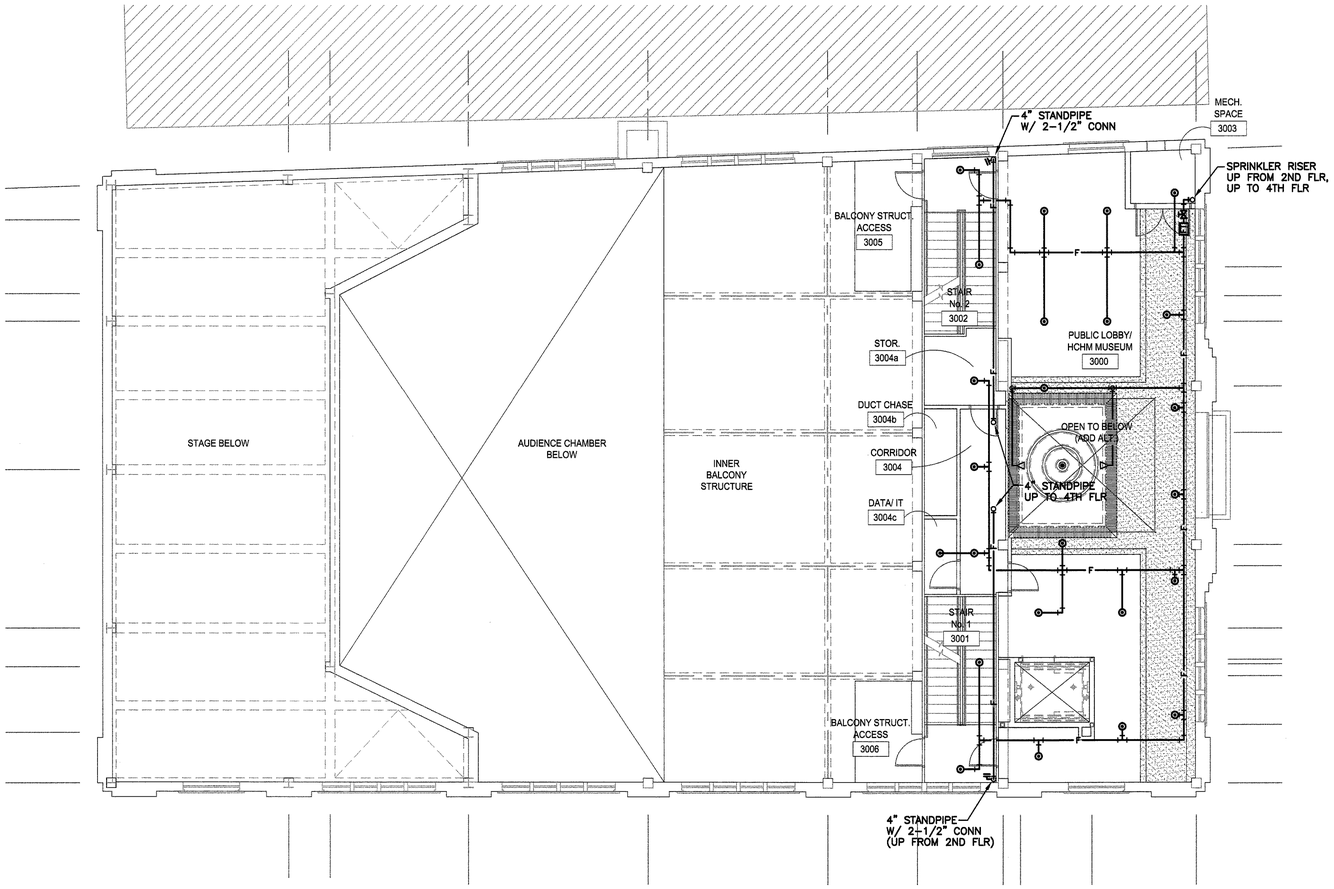
LEVEL 2
FLOOR PLANS
FIRE PROTECTION

SHEET NO.

FP1.02

P+A
PURTLE + ASSOCIATES CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
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SEE SHEET FP1.01 FOR GENERAL FIRE PROTECTION NOTES AND LEGEND.

N

LEVEL 3 FLOOR PLAN – FIRE PROTECTION

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

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2800
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85825
LICENSED
PROFESSIONAL ENGINEER

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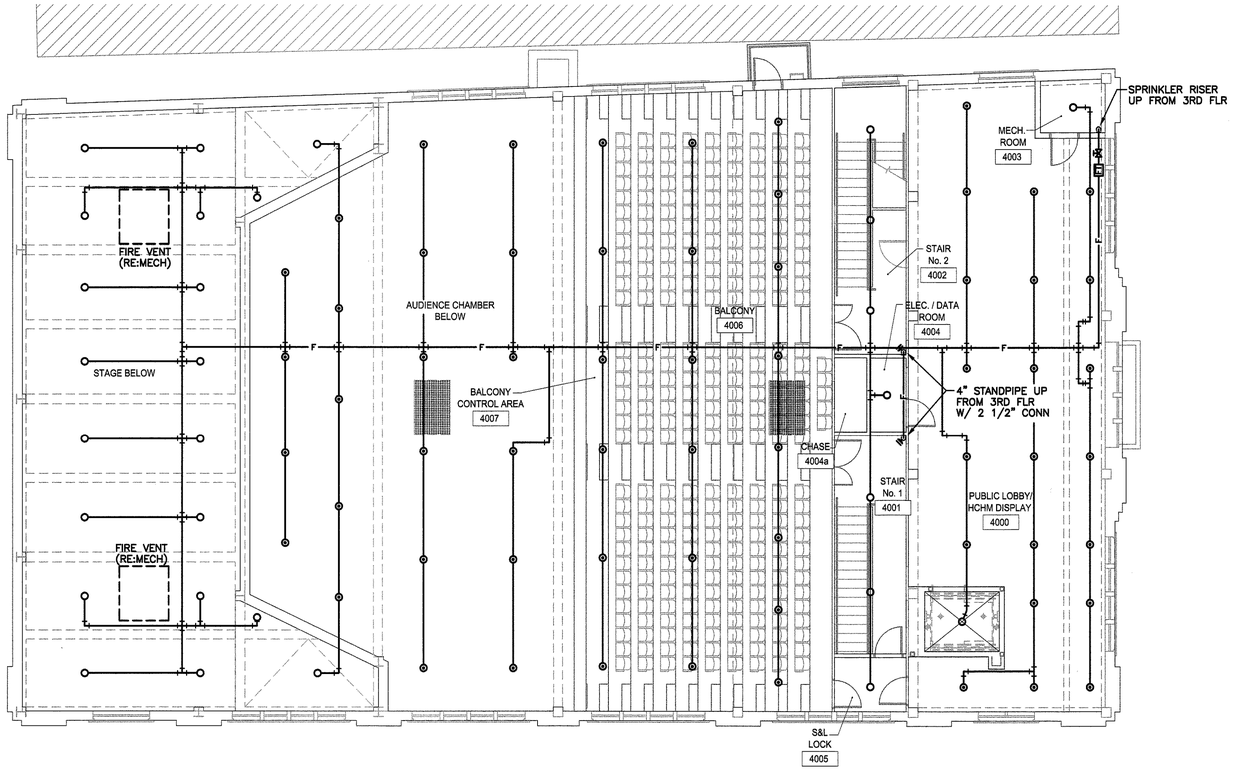
LEVEL 3
FLOOR PLAN
FIRE PROTECTION

SHEET NO.

FP1.03

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PURTLE + ASSOCIATES
CONSULTING ENGINEERS
701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered
Engineering Firm #F-10120

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N

LEVEL 4 FLOOR PLAN – FIRE PROTECTION

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

RENOVATIONS TO MEMORIAL CITY HALL

110 East Houston Street
Marshall, Texas 75670-4144

HOWARD PERFORMANCE ARCHITECTURE
650 POYDRAS STREET SUITE 2600
NEW ORLEANS, LOUISIANA 70130
T 504.799.3000 F 504.799.3010

IN ASSOCIATION WITH:

SINCLAIR & WRIGHT ARCHITECTS
320 S. BROADWAY STREET, SUITE 200
TYLER, TEXAS 75702
T 903.595.2656 F 903.595.5972

STATE OF TEXAS
THOMAS G. SANDERS
85825
LICENSED
PROFESSIONAL ENGINEER

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SHEET TITLE

LEVEL 4
FLOOR PLAN
FIRE PROTECTION

SHEET NO.

FP1.04

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701 TEXAS STREET
SHREVEPORT, LA 71101
318 425 4500
fax 318 222 6564
purtle@purtle.net
PA-10086
Texas Registered Engineering Firm #F-10120

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