7/21/2025	Submission Number 2	Revision Number

(ONTARIO POLICE DEPARTMENT) - REMODEL (E) GALLERY SPACE INTO A MEDIA ROOM AND SUPPORTING OFFICES (1,595 SF) AND IMPROVEMENTS TO ADA PARKING. (CIP)

2500 S ARCHIBALD AV

B202506606

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

PROJECT NUMBER: D&C23-017

NOT USED

PROJECT DIRECTORY

OWNER REPRESENTATIVE:
CITY OF ONTARIO
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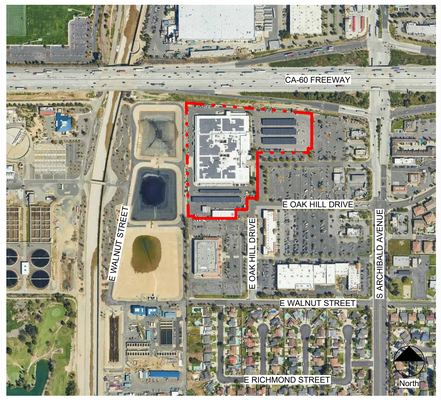
VICINITY MAP



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AAB@BPR 9/23/25

AAB@BPR 9/23/25

GRAND TOTAL: 81

REVIEWED FOR CODE COMPLIANCE
USING THE FOLLOWING CODES:
- ☐ 2022 CALIFORNIA RESIDENTIAL CODE
- ☑ 2022 CALIFORNIA BUILDING CODE
- ☑ 2022 CALIFORNIA ELECTRICAL CODE
- ☑ 2022 CALIFORNIA PLUMBING CODE
- ☑ 2022 CALIFORNIA MECHANICAL CODE
- ☑ 2022 CALIFORNIA ENERGY CODE
- ☑ 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
- ☐ 2022 CALIFORNIA BUILDING CODE - STRUCTURAL DESIGN PROVISIONS ONLY
- ☐ 2022 CALIFORNIA FIRE CODE
- ☐ OTHER: _____

COMPLETION OF THIS REVIEW DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE OR LOCAL REGULATIONS.

BY: *Andrew Burke* DATE: *Sep 23, 2025*

BPR CONSULTING GROUP

09/25/2025 **OMUC UTILITIES ENGINEERING HAS NO FURTHER COMMENTS.**
PC2 | PR: CR | QCR: CS

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HOLT ARCHITECTURE
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WWW.HOLTARCHITECTURE.COM

CONSULTANT:

STAMPS:

LICENSED ARCHITECT — MATTHEW CHARLES ACTON — C-37028 — STATE OF CALIFORNIA

MEDIA ROOM
2500 S ARCHIBALD AVENUE, ONTARIO, CA 91761

PROJECT:

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:09:48 PM

CLIENT: ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 COMMENTS
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
COVER SHEET

SHEET NO.:
G001

NOT USED

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 2020

2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R

2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R
(2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2021 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R
(2021 UNIFORMED MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R
(2021 UNIFORMED PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R

2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA EXISTING BUILDINGS CODE, PART 10

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), PART 11, TITLE 24 C.C.R.

2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.

TITLE 19 C.C.R, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS	2022 EDITION
NFPA 14 - STANDPIPE SYSTEMS (CA AMENDED)	2019 EDITION
NFPA 17A - WET CHEMICAL SYSTEMS	2021 EDITION
NFPA 20 - STATIONARY PUMPS	2019 EDITION
NFPA 24 - PRIVATE FIRE MAINS (CA AMENDED)	2022 EDITION
NFPA 72 - NATIONAL FIRE ALARM CODE (CA AMENDED)	2022 EDITION
NFPA 80 - FIRE DOOR AND OTHER OPENING PROTECTIVES	2022 EDITION
NFPA 2001 - CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2022 EDITION

PROJECT SUMMARY

DESCRIPTION	INFO	2022 CBC REFERENCE
BUILDING OCCUPANCY	B, A-3	CHAPTER 3 - SECTIONS 303 THROUGH 313
TYPE OF CONSTRUCTION	II-B	CHAPTER 6 - TABLE 601
FIRE SPRINKLER SYSTEM	YES	PER SECTION 903
ACTUAL (E) BUILDING HEIGHT	26 FEET	HEIGHT ABOVE GRADE IN FEET
ACTUAL EXISTING NUMBER OF STORIES	TWO	NUMBER OF STORIES ABOVE GRADE
OVERALL EXISTING BUILDING AREA	160,000 SF	CUMULATIVE GROSS AREA OF ALL FLOORS ABOVE GRADE
BUILDING AREA REMODELED	1,595 SF	REFER TO SHEET G100
REMODELED AREA OCCUPANT LOADS		REFER TO SHEET G100
FIRE SEPARATIONS	YES	REFER TO SHEET G100
PLUMBING FIXTURE REQUIREMENTS	EXISTING	
ACCESSIBLE ROUTE	SEE SHEET AS100	
ACCESSIBLE ROUTE SIGNAGE	EXISTING	
ACCESSIIBLE SITE ENTRANCE SIGNAGE	EXISTING	
ACCESSIBILITY SIGNAGE AT BUILDING	EXISTING	

PROJECT DESCRIPTION

TENANT IMPROVEMENTS TO EXISTING MEDIA ROOM SPACE OF APPROXIMATELY 1,595 SF INCLUDING DEMOLITION OF EXISTING OPENINGS, FINISHES, LIGHT FIXTURES, AND PARTIAL MECHANICAL SYSTEM. IMPROVEMENTS INCLUDE NEW INTERIOR PARTITIONS, DOORS, FINISHES, LIGHT FIXTURES, A/V & I.T. INFASTRUCTURE, AND MODIFICATIONS TO EXISTING MECHANICAL SYSTEM.

PROJECT ALSO INCLUDES THE RELOCATION OF EXISTING BUILT-IN SHOWCASE INCLUDING DEMOLITION OF EXISTING STOREFRONT SYSTEM AND FINISHES. IMPROVEMENTS INCLUDE NEW PARTITION, STOREFRONT SYSTEM, FINISHES, AND LIGHT FIXTURES.

MISCELLANEOUS ADA IMPROVEMENTS INCLUDE ADJUSTMENTS TO EXISTING ADA PARKING STALLS, PAVING IMPROVEMENTS FOR COMPLIANT PATH OF TRAVEL(S), AND MINOR MODIFICATION TO EXISTING TOILET ACCESSORIES.

DEFERRED APPROVALS

THE CONTRACTOR IS TO PROVIDE COMPLETE DESIGN SUBMITTALS WITH JUSTIFICATION OF LIFE SAFETY ELEMENTS AND/OR SYSTEM. PRIOR TO SUBMITTING TO AUTHORITY HAVING JURISDICTION, ALL SUBMITTALS SHALL BE AS FOLLOWS:

1. CA LICENSED ENGINEER MUST STAMP AND WET-SIGN DRAWINGS INCLUDING SUPPORTING CALCULATIONS.
2. AFFIX SHOP DRAWINGS STAMP INDICATING COORDINATION BETWEEN THE DEFERRED SUBMITTAL AND APPROVED DRAWING IS COMPLETE.
3. SUBMIT SHOP DRAWINGS AND ENGINEERING CALCULATIONS FOR CONSTRUCTION AND INSTALLATION TO THE ARCHITECT FOR APPROVAL.

THE DEFERRED APPROVAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE ARCHITECT AND AUTHORITY HAVING JURISDICTION.

DEFERRED APPROVAL ITEMS ARE AS FOLLOWS:

1. **FIRE ALARM SYSTEM**
   - A. SUBMITTED DRAWINGS AT TIME OF DEFERRED SUBMITTAL APPROVAL SHALL INCLUDE ALL FLOOR PLANS AND CROSS SECTIONS TO INDICATED PLACEMENT WITHIN THE BUILDING.
   - B. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE POWER TO ALL ASSOCIATED DEVICES THAT PERTAIN TO THE FIRE ALARM SYSTEM. CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE WITH ELECTRICAL CONTRACTOR AND FIRE ALARM VENDOR.
   - C. BUILDINGS SHALL BE PROVIDED WITH A MANUAL ALARM SYSTEM WITH THE CAPABILITY TO SUPPORT VISIBLE ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH NFPA 72.
2. **FIRE SPRINKLER SYSTEM**
   - A. SUBMITTED DRAWINGS AT TIME OF DEFERRED SUBMITTAL APPROVAL SHALL INCLUDE ALL FLOOR PLANS AND CROSS SECTIONS TO INDICATED PLACEMENT WITHIN THE BUILDING.
   - B. CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE SYSTEM DESIGN WITH ALL TRADES TO ENSURE ROUTING, CLEARANCES, CONNECTIONS, ETC... ARE FEASIBLE AND COORDINATED.

REFERENCE DOCUMENTS

1. ONTARIO PD: HEADQUARTERS (RECORD DOCUMENTS DATED 06/11/2004)

SPECIAL INSPECTIONS

1. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

SEPARATE PERMITS

1. CITY OF ONTARIO REQUIRES ALL NEW BUILDINGS, AND DEMOLITION / RENOVATION / TENANT IMPROVEMENT PERMIT APPLICANT WITH PROJECT VALUATION OF $100,000.00 OR MORE TO PREPARE A CONSTRUCTION & DEMOLITION RECYCLING PLAN (CDRP). CONTRACTOR TO FILL OUT "FORM CDRP" AND SUBMIT IT TO ONTARIO MUNICIPAL UTILITIES COMPANY - SOLID WASTE DEPARTMENT FOR APPROVAL. CALL (909)395-2040 OR EMAIL IW_ENVIRONMENTAL@ONTARIOCA.GOV FOR FURTHER INFORMATION & ASSISTANCE.

OWNER PROVIDED SCOPE

1. FURNITURE, FIXTURES, AND EQUIPMENT (FF&E)
2. ADA REQUIRED BUILDING SIGNAGE

BID ALTERNATES

1. SITE EGRESS LIGHTING AND PERTINENT INFASTRUCTURE IMPROVEMENTS, REFER TO CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

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CONSULTANT:

STAMPS:

LICENSED ARCHITECT
MATTHEW CHARLES ACTON
C-37028
STATE OF CALIFORNIA

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:09:55 PM

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 COMMENTS
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

TITLE SHEET

SHEET NO.:

G002

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PROJECT ABBREVIATIONS

A.C.T.	ACOUSTICAL CEILING TILE
A.T.	ACOUSTICAL TILE
A/C	AIR CONDITIONER
AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
ACOUST	ACOUSTICAL
ACP	ASPHALTIC CONCRETE PAVING
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADAAG	AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
ADJ	ADJUSTABLE/ADJACENT
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH.	ARCHITECT
ARCH'L	ARCHITECTURAL
ATC	ACOUSTICAL TILE CEILING
B.O.	BOTTOM OF
B.O.B.	BOTTOM OF BEAM
B.O.H.	BOTTOM OF HEADER
B.O.S.	BOTTOM OF STEEL
BCR	BEGINNING CURB RETURN
BD	BOARD
BFF	BELOW FINISH FLOOR
BI	BUILT-IN
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM OR BENCHMARK
BRZE	BRONZE
BSL	BUILDING SETBACK LINE
BTM	BOTTOM
BUR	BUILT-UP ROOF
C/C	CENTER TO CENTER
CA	CALIFORNIA
CAB	CABINET
CB	CATCH BASIN (CIVIL)
CB	COLUMN BASE (STRUCTURAL & ARCHITECTURAL)
CBC	CALIFORNIA BUILDING CODE (UNIFORM BUILDING CODE WITH CALIFORNIA AMENDMENTS)
CC	COLUMN CAP
CCR	CALIFORNIA CODE OF REGULATIONS
CD	CEILING DIFFUSER
CEC	CALIFORNIA ENERGY COMMISSION
CER	CERAMIC
CF	CUBIC FOOT OR CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CFR	CODE OF FEDERAL REGULATIONS
CJ	CONTROL JOINT
CL	CLOSET
CLG	CEILING
CLKG	CAULKING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTOR OR CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET
CRT	MONITOR
CT	CERAMIC TILE
CTV	CABLE TELEVISION
CU	CUBIC
CW	COLD WATER
D.O.	DOOR OPENING
DBL	DOUBLE
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPOSAL
DN	DOWN
DR	DOOR
DRYWL	DRYWALL
DSA	DIVISION OF THE STATE ARCHITECT
DW	DISHWASHER
DWG	DRAWING
(E)	EXISTING
EA	EACH
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC
ELEC'L	ELECTRICAL
ELEV	ELEVATOR
EMERG	EMERGENCY
ENCL	ENCLOSURE
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FAU	FORCED AIR UNIT
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FIN	FINISH
FIX	FIXED
FIXT	FIXTURE
FL	FLOW LINE
FLR	FLOOR
FLUOR	FLUORESCENT
FOB	FACE OF BLOCK
FOC	FACE OF CONCRETE OR FACE OF CURB
FOS	FACE OF STUD
FOSH	FACE OF SHEATHING
FRP	FIBER REINFORCED PLASTIC
FS	FINISH SURFACE
FT	"FOOT, FEET"
FTG	FOOTING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GD	GARBAGE DISPOSAL
GFCI	GROUND-FAULT CIRCUIT-INTERRUPTER
GFI	GROUND-FAULT CIRCUIT-INTERRUPTER
GLB	GLUE LAMINATED BEAM
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRADE
GYP BD	GYPSUM BOARD
HB	HOSE BIB
HC	HOLLOW CORE
HD	HOLD DOWN
HDW	HARDWARE
HM	HOLLOW METAL
HMD	HOLLOW METAL DOOR
HMF	HOLLOW METAL FRAME
HMW	HOLLOW METAL WINDOW
HORIZ	HORIZONTAL
HT	HEIGHT
HTR	HEATER
HVAC	"HEATING, VENTILATION, & AIR CONDITIONING"
HW	HOT WATER
I.D.	INSIDE DIAMETER
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
ID	IDENTIFICATION
INCAND	INCANDESCENT
INCL	INCLUDED
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JAN	JANITOR
JT	JOINT
KIT	KITCHEN
L.B.	LAG BOLT
LAM	LAMINATE OR LAMINATED
LAV	LAVATORY
LB	POUND
LT	LIGHT
LTG	LIGHTING
MAX	MAXIMUM
MC	MEDICINE CABINET
MECH	MECHANICAL
MNVR	MANEUVERING
MFR	MANUFACTURER
MFR'S	MANUFACTURER'S
MGMT	MANAGEMENT
MGR	MANAGER
MH	MANHOLE
MICRO	MICROWAVE OVEN
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
MTR	METER
MUL	MULLION
(N)	NEW
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTACT
NOM	NOMINAL
NTS	NOT TO SCALE
O.D.	OUTSIDE DIAMETER
OC	ON CENTER
OF	OVERFLOW
OFC	OFFICE
OPNG	OPENING
OPP	OPPOSITE
P	PLANTER OR PLANTING AREA
PART	PARTITION
PB	POST BASE
PC	POST CAP
PCC	PORTLAND CEMENT CONCRETE
PE	PAD ELEVATION
PEJ	PLASTER EXPANSION JOINT
PH	PHONE
PLAM	LAMINATED PLASTIC
PLAS	PLASTER
PLYWD	PLYWOOD
POC	POINT OF CONNECTION
POLY	POLYETHYLENE
PSF	POUNDS PER SQUARE FOOT OR FEET
PSI	POUND PER SQUARE INCH
PT	PORCELAIN TILE
PTN	PARTITION
PUE	PUBLIC UTILITY EASEMENT
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS
RB	RUBBER BASE
RD	ROOF DRAIN
RD/OF	ROOF DRAIN AND OVERFLOW
REDWD	REDWOOD
REF	REFERENCE
REFR	REFRIGERATOR
REFRIG	REFRIGERATOR
REINF	REINFORCEMENT
REQ	REQUIRED
RFF	REFERENCE FINISH FLOOR
RM	ROOM
RO	ROUGH OPENING
RT	RESILIENT TILE
S	STORAGE
SC	SOLID CORE
SCE	SOUTHERN CALIFORNIA EDISON
SCH	SCHEDULE
SEC	SECTION
SECY	SECRETARY
SF	SQUARE FOOT OR FEET
SFM	STATE FIRE MARSHALL
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SPECS	SPECIFICATIONS
SQ	SQUARE
SQ FT	SQUARE FOOT OR FEET
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STO	STORAGE
STOR	STORAGE
STRL	STRUCTURAL
STRUCT	STRUCTURE
STRUCT'L	STRUCTURAL
SUSP	SUSPENDED
T	TOILET ROOM
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.F.	TOP OF FRAMING
T.O.P.	TOP OF PARAPET
T.O.R.	TOP OF ROOF
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
T24	TITLE 24 CALIFORNIA CODE REQUIREMENTS
TC	TOP OF CURB OR CONCRETE
TEL	TELEPHONE
TF	TOP OF FOOTING
TG	TONGUE AND GROOVE
THK	THICK
TNG	TONGUE AND GROOVE
TP	TOP OF PAVEMENT
TPD	TOILET PAPER DISPENSER
TS	TUBULAR STEEL
TV	TELEVISION
TYP	TYPICAL
U/C	UNDER COUNTER
UBC	UNIFORM BUILDING CODE
UFC	UNIFORM FIRE CODE
UMC	UNIFORM MECHANICAL CODE
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UR	URINAL
V	VINYL
VCT	VINYL COMPOSITION TILE
W/	WITH
W/O	WITH OUT
WC	WATER CLOSET (TOILET)
WD	WOOD
WH	WATER HEATER
WI	WROUGHT IRON
WP	WEATHER PROOF
YD	YARD

GENERAL NOTES

1. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. EXECUTION OF THE CONTRACT BY THE CONTRACTOR IS A REPRESENTATION THAT THE CONTRACTOR HAS VISITED THE SITE, BECOME GENERALLY FAMILIAR WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND CORRELATED PERSONAL OBSERVATIONS WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. THE CONTRACT DOCUMENTS ARE COMPLIMENTARY, THEREFORE, THE CONTRACTOR SHALL, PRIOR TO STARTING WORK, STUDY AND COMPARE THE CONTRACT DOCUMENTS RELATIVE TO THAT PORTION OF THE WORK, TAKE FIELD MEASUREMENTS OF EXISTING CONDITIONS RELATED TO THE WORK, AND OBSERVE ANY CONDITIONS AT THE SITE AFFECTING IT.
4. THE CONTRACTOR SHALL PROMPTLY REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS DISCOVERED BY OR MADE KNOWN TO THE CONTRACTOR AS A REQUEST FOR INFORMATION (RFI.)
5. ALL WORK IS TO CONFORM TO ALL APPLICABLE CODES, LAWS, STATUTES, ORDINANCES, CODES, RULES AND REGULATIONS. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR NONCONFORMITY DISCOVERED TO THE ARCHITECT AS A REQUEST FOR INFORMATION (RFI.)
6. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
7. ALL MATERIALS AND EQUIPMENT UNDER THE CONTRACT SHALL BE OF GOOD QUALITY AND NEW UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
8. THE ARCHITECT WILL REVIEW AND APPROVE, OR TAKE OTHER ACTION UPON, THE CONTRACTOR'S SUBMITTALS AND SHOP DRAWINGS FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS. REVIEW OF SUCH SUBMITTALS AND SHOP DRAWINGS IS NOT CONDUCTED FOR THE PURPOSE OF DETERMINING THE ACCURACY AND COMPLETENESS OF OTHER DETAILS SUCH AS DIMENSIONS AND QUANTITIES, ALL OF WHICH REMAIN THE RESPONSIBILITY OF THE CONTRACTOR AS REQUIRED BY THE CONTRACT DOCUMENTS.
9. THE CONTRACTOR SHALL NOT PERFORM ANY WORK FOR WHICH THE CONTRACT DOCUMENTS REQUIRE SUBMITTAL AND REVIEW OF SHOP DRAWINGS UNTIL THE ARCHITECT HAS APPROVED THE SUBMITTAL.
10. WHERE SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT, THEY ARE ARRANGED IN SEVERAL SECTIONS, BUT SUCH SEPARATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED OF ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE CONTRACTOR AND HIS/HER SUBCONTRACTORS.
11. IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITION AND KIND OF CONSTRUCTION, AND THE SPECIFICATIONS WILL INDICATE QUALITIES AND METHODS. ANY WORK INDICATED ON THE WORKING DETAILS AND NOT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, SHALL BE FURNISHED AS THOUGH FULLY SET FORTH IN BOTH. IF CONFLICTS OCCUR ON DRAWINGS AND/OR SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS WILL PREVAIL.
12. DO NOT SCALE DRAWINGS. CONTACT THE ARCHITECT FOR ANY DIMENSIONS NOT SHOWN OR REQUIRING ADDITIONAL INFORMATION.
13. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
14. CONTRACTOR IS RESPONSIBLE TO ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO BID. THE OWNER WILL NOT BE RESPONSIBLE FOR ANY NEGLIGENCE BY THE CONTRACTOR OR SUBCONTRACTORS.
15. BRACING AND TEMPORARY SUPPORTS SHALL BE PROVIDED AS REQUIRED TO HOLD THE WORK SECURELY IN PLACE AND TO SUSTAIN CONSTRUCTION LOADS.
16. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR CHANGE ORDER.
17. THE CONTRACTOR TO PROVIDE AND MAINTAIN SAFE ACCESS TO THE EXISTING BUILDING AND AREAS SURROUNDING AREA OF WORK.
18. ALL PENETRATIONS THROUGH FIRE-RATED WALLS AND SHAFTS SHALL BE EQUIPPED WITH DAMPERS, SEALANTS, OR OTHER APPROPRIATE AND APPROVED MATERIALS AND METHODS SO AS TO MAINTAIN THE RATING.
19. EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED IN OPERATION THROUGHOUT DEMOLITION AND CONSTRUCTION EFFORTS.

1. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE ACCORDING TO REQUIREMENTS IN CFC 2019, CHAPTER 33.
2. EXISTING AREAS TO REMAIN THAT ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION SHALL BE PATCHED, REPAIRED OR REPLACED, AND FINISHED TO MATCH ADJACENT SURFACES AT NOT COST TO THE OWNER.
3. CONTRACTOR TO PROVIDE FLOOR TO CEILING PLYWOOD BARRIER WALL TO BE MAINTAINED THROUGHOUT ENTIRE DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REVIEW LOCATION WITH OWNER PRIOR TO STARTING WORK.
4. AREAS OUTSIDE AREA OF WORK ARE TO REMAIN OPERATIONAL DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR IS TO COORDINATE WITH OWNER FOR ANY INTERRUPTIONS OF EXISTING SERVICES THAT ARE CAUSED DUE TO DEMOLITION AND CONSTRUCTION ACTIVITIES IN ADVANCE OF ANY WORK COMMENCING.
5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
6. CONTRACTOR TO DEMOLISH AND REMOVE GYPSUM BOARD (AND SUBSTRATE) AS REQUIRED FOR IMPROVEMENTS AND ASSOCIATED INFASTRUCTURE. REFER TO MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR ADDT'L INFORMATION.

ANNOTATION TAG DESCRIPTIONS

TAG	TYPE	COMMENTS
OCCUPANCY USE; OCCUPANCY CLASSIFICATION: XXX (OCC FUNCTION); OCC LOAD FACTOR: 100 SF; AREA: 000 OCC; OCCUPANT LOAD	CBC CODE TAG	
R-2	CBC OCCUPANCY CLASSIFICATION TAG	
CDS NUMBER; TM; DENOTES MODIFICATION TO CDS CABINET; WIDTH 33; HEIGHT 34; 24 DEPTH; D DESCRIPTION *ALL DIMENSIONS ARE NOMINAL OUTSIDE DIMENSIONS IN INCHES	CASEWORK TAG	REFER TO NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS (NAAWS) FOR ADDITIONAL INFORMATION
00'-0" CEILING HEIGHT XXX CEILING TYPE 00'-0" CEILING HEIGHT XXX CEILING TYPE VARIES CEILING HEIGHT	CEILING TAGS	
FIRE RATING (HRS) X; 1 | A | X WALL TYPE / INSULATION TYPE; HEIGHT CONDITION	WALL TAG	REFER TO WALL SCHEDULE AND DETAILS FOR ADDITIONAL INFORMATION

INSULATION TYPE:
- **S** - SOUND BATT
- **T** - THERMAL BATT
- **X** - NONE

HEIGHT CONDITION:
- **A** - STUD AND GYP. TO 6" ABOVE FINISHED CEILING
- **B** - FULL HT. STUD TO STRUCTURE WITH GYP. 6" ABOVE FINISHED CEILING
- **C** - FULL HT. STUD AND GYP. TO STRUCTURE
- **D** - FULL HT. STUD AND GYP. TO TUNNEL CONDITION
- **E** - SPECIFIED HEIGHT

PROJECT SYMBOLS

SYMBOL	TYPE
1 / A	GRID LINES - LETTERS HORIZONTAL GRID, NUMBERS VERTICAL GRID
1 / A101 SIM	DETAIL VIEW MARKER
1 / A1.10	BUILDING / WALL SECTION MARKER
1 / A1.10	EXTERIOR ELEVATION MARKER
A7-7	INTERIOR ELEVATION MARKER
	WORK POINT, CONTROL POINT, DATUM POINT OR PROPERTY CORNER
100	DOOR MARKER
M	WINDOW MARKER
?	KEYNOTE MARKER
NAME 101 / NAME 101 150 SF	ROOM NAME, ROOM NUMBER, AND ROOM SF TAG
1	REVISION CLOUD AND DELTA MARKER

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WWW.HOLTARCHITECTURE.COM
CONSULTANT:

STAMPS:

LICENSED ARCHITECT — MATTHEW CHARLES ACTON — C-37028 — REGISTERED — STATE OF CALIFORNIA

REVIEWED FOR CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

ONTARIO — City of Ontario | Building Department — APPROVED & REVIEWED FOR CODE COMPLIANCE — The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances. Date: 09/29/2025 4:09:55 PM

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE, ONTARIO, CA 91761

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
PROJECT INFORMATION

SHEET NO.:
G003

A5.602
CALGreen VERIFICATION GUIDELINES
MANDATORY MEASURES CHECKLIST
2022 EDITION

APPLICATION: THIS CHECKLIST SHALL BE USED FOR NONRESIDENTIAL PROJECTS THAT MEET ONE OF THE FOLLOWING: NEW CONSTRUCTION, BUILDING ADDITIONS OF 1,000 SQUARE FEET OR GREATER, OR BUILDING ALTERATIONS WITH A PERMIT VALUATION OF $200,000 OR MORE PERSUANT TO SECTION 301.3 AND NOT TRIGGER A TIER 1 OR TIER 2 REQUIREMENT:

Y = YES (SECTION HAS BEEN SELECTED AND/OR INCLUDED)
N/A = NOT APPLICABLE (CODE SECTION DOES NOT APPLY TO THE PROJECT - MAINLY USED FOR ADDITIONS AND ALTERATIONS)
O = OTHER (PROVIDE EXPLANATION)
[N] = NEW CONSTRUCTION PURSUANT TO SECTION 301.3
[A] = ADDITIONAL AND/OR ALTERATIONS PURSUANT TO SECTION 301.3

CHAPTER 5 DIVISIONS

DIVISION 5.1 PLANNING AND DESIGN

REQUIREMENT	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
MANDATORY	DECONSTRUCTION AND REUSE OF EXISTING STRUCTURES, SCOPE WITH EXCEPTION	5.105.1			N/A		
MANDATORY	REUSE OF EXISTING BUILDING & VERIFICATION OF COMPLIANCE WITH NOTE	5.105.2 AND 5.105.2.1			N/A		
MANDATORY	STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN 1 ACRE OF LAND	5.106.1 THROUGH 5.106.2			N/A		
MANDATORY	SHORT-TERM BICYCLE PARKING (WITH EXCEPTION)	5.106.4.1.1			N/A		PROJECT IS CONTAINED WITHIN EXISTING STAFF AREA AND THUS NOT EXPECTED TO GENERATE VISITOR TRAFFIC
MANDATORY	LONG-TERM BICYCLE PARKING	5.106.4.1.2 THROUGH...			N/A		PROJECT IS NOT ADDING PARKING SPACES
MANDATORY	ELECTRIC VEHICLE (EV) CHARGING [N] WITH SECTION 5.106.3.1, 5.106.5.3.2 AND ASSOCIATED TABLE 5.106.5.3.1 OR POWER ALLOCATION METHOD: SECTION 5.106.5.3.6 AND ASSOCIATED TABLE 5.106.5.3.6	5.106.5.3.1, 5.106.5.3.2, TABLE 5.106.5.3.1, 5.106.5.3.2.1, 5.106.5.3.2.2, 5.106.5.3.3, 5.106.5.3.4 AND 5.106.5.3.5 OR 5.106.5.3.6, TABLE 5.106.5.3.6, 5.106.5.3.3, 5.106.5.3.4 AND 5.106.5.3.5			N/A		ONLY APPLICABLE TO NEW CONSTRUCTION
MANDATORY	ADDITIONS OR ALTERATIONS TO EXISTING BUILDINGS OR PARKING...	5.106.5.4			N/A		
MANDATORY	EXISTING BUILDINGS OR PARKING AREAS WITHOUT PREVIOUSLY INSTALLED EV CAPABLE INFRASTRUCTURE [A]	5.106.5.4.1			N/A		
MANDATORY	EXISTING BUILDINGS OR PARKING AREAS WITHOUT PREVIOUSLY INSTALLED EV CAPABLE INFRASTRUCTURE [A]	5.106.5.4.2			N/A		
MANDATORY	ELECTRIC VEHICLE (EV) CHARGING; MEDIUM-DUTY AND HEAVY DUTY [N]	5.106.5.5			N/A		
MANDATORY	ELECTRIC VEHICLE CHARGING READINESS REQUIREMENTS FOR WAREHOUSES, GROCERY STORES AND RETAIL STORES WITH PLANNED OFF-STREET LOADING SPACES. [N]	5.106.5.5.1			N/A		
MANDATORY	TABLE 5.106.5.5.1	5.106.5.5 AND 5.106.5.5.1			N/A		
MANDATORY	LIGHT POLLUTION REDUCTION [N] (WITH EXCEPTIONS, NOTES AND...	5.106.8 THROUGH 5.106.8.2			N/A		ONLY APPLICABLE TO NEW CONSTRUCTION
MANDATORY	GRADING AND PAVING (EXCEPTION FOR ADDITIONS AND ALTERATIONS NOT ALTERING THE DRAINAGE PATH)	5.106.10			N/A		

DIVISION 5.2 ENERGY EFFICIENCY

REQUIREMENT	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
MANDATORY	MEET THE MINIMUM ENERGY EFFICIENCY STANDARD	5.201.1	Y				REFER TO ELECTRICAL 24 COMPLIANCE DOCUMENTS

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

REQUIREMENT	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
MANDATORY	SEPARATE METERS (NEW BUILDINGS OR ADDITIONS > 50,000 SF THAT CONSUME MORE THAN 100 GAL/DAY)	5.303.1.1			N/A		
MANDATORY	SEPARATE METERS (FOR TENANTS IN NEW BUILDINGS OR ADDITIONS THAT CONSUME MORE THAN 1,000 GAL/DAY)	5.303.1.2			N/A		
MANDATORY	WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUS...	5.303.3.1			N/A		
MANDATORY	WALL-MOUNTED URINALS SHALL NOT EXCEED 0.125 GPF	5.303.3.2.1			N/A		
MANDATORY	FLOOR-MOUNTED URINALS SHALL NOT EXCEED 0.5 GPF	5.303.3.2.2			N/A		
MANDATORY	SINGLE SHOWERHEAD SHALL HAVE MAXIMUM FLOW RATE OF 1.8 GPM (GALLONS PER MINUTE) AT 80 PSI	5.303.3.3.1			N/A		
MANDATORY	MULTIPLE SHOWERHEADS SERVING ONE SHOWER SHALL HAVE A COMBINED FLOW RATE OF 1.8 GPM AT 80 PSI	5.303.3.3.2			N/A		
MANDATORY	NONRESIDENTIAL LAVATORY FAUCETS	5.303.3.4.1			N/A		
MANDATORY	KITCHEN FAUCETS	5.303.3.4.2			N/A		
MANDATORY	WASH FOUNTAINS	5.303.3.4.3			N/A		
MANDATORY	METERING FAUCETS	5.303.3.4.4			N/A		
MANDATORY	METERING FAUCETS FOR WASH FOUNTAINS	5.303.3.4.5			N/A		
MANDATORY	PRE-RINSE SPRAY VALVE	5.303.3.4.6			N/A		
MANDATORY	FOOD WASTE DISPOSERS	5.303.4.1			N/A		
MANDATORY	AREAS OF ADDITION OR ALTERATION	5.303.5			N/A		
MANDATORY	STANDARDS FOR PLUMBING FIXTURES AND FITTINGS	5.303.6			N/A		
MANDATORY	OUTDOOR POTABLE WATER USE IN LANDSCAPE AREA	5.304.1			N/A		

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

REQUIREMENT	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
MANDATORY	WEATHER PROTECTION	5.407.1	Y				SHEET A540, SPEC 07 25 00
MANDATORY	MOISTURE CONTROL: SPRINKLERS	5.407.2.1	Y				SHEETS CD100, C200
MANDATORY	MOISTURE CONTROL: EXTERIOR DOOR PROTECTION	5.407.2.2.1	Y				SHEET A540
MANDATORY	MOISTURE CONTROL: FLASHING	5.407.2.2.2	Y				SHEET A540
MANDATORY	CONSTRUCTION WASTE MANAGEMENT--COMPLY WITH EITHER: SECTIONS 5.408.1.1, 5.408.1.2, 5.408.1.3 OR MORE STRINGENT LOCAL ORDINANCE	5.408.1.1, 5.408.1.2, 5.408.1.3	Y				GENERAL CONTRACTOR REQUIREMENT
MANDATORY	CONSTRUCTION WASTE MANAGEMENT: DOCUMENTATION	5.408.1.4	Y				GENERAL CONTRACTOR REQUIREMENT
MANDATORY	UNIVERSAL WASTE [A]	5.408.2					
MANDATORY	EXCAVATED SOIL AND LAND CLEARING DEBRIS (100% REUSE OR RECYCLE)	5.408.3	Y				SPEC 21 23 16
MANDATORY	LIFE CYCLE ASSESSMENT, SCOPE, WHOLE BUILDING LIFE CYCLE ASSESSMENT WITH NOTES, BUILDING COMPONENTS, REFERENCE STUDY PERIOD, AND VERIFICATION OF...	5.409.1, 5.409.2, 5.409.2.1, 5.409.2.2 AND 5.409.2.3					
MANDATORY	LIFE CYCLE ASSESSMENT, SCOPE, PRODUCT GWP COMPLIANCE – PRESCRIPTIVE PATH, 5.409.3.1 WITH EXCEPTION AND EXCEPTION EQUATION, VERIFICATION OF COMPLIANCE AND PRODUCT GWP LIMITS TABLE WITH...	5.409.1, 5.409.3, 5.409.3.1, 5.409.3.2 AND TABLE 5.409.3			N/A		
MANDATORY	RECYCLING BY OCCUPANTS (WITH EXCEPTION)	5.410.1	Y				GENERAL CONTRACTOR REQUIREMENT
MANDATORY	RECYCLING BY OCCUPANTS: ADDITIONS (WITH EXCEPTION)	5.410.1.1			N/A		
MANDATORY	RECYCLING BY OCCUPANTS: SAMPLE ORDINANCE	5.410.1.2	Y				GENERAL CONTRACTOR REQUIREMENT
MANDATORY	COMMISSIONING NEW BUILDINGS (≥ 10,000 SF) [N]	5.410.2			N/A		
MANDATORY	OWNER'S OR OWNER REPRESENTATIVE'S PROJECT REQUIREMENTS (OPR) [N]	5.410.2.1			N/A		
MANDATORY	BASIS OF DESIGN (BOD) [N]	5.410.2.2	Y				SHEET M001
MANDATORY	COMMISSIONING PLAN [N]	5.410.2.3			N/A		
MANDATORY	FUNCTIONAL PERFORMANCE TESTING [N]	5.410.2.4			N/A		
MANDATORY	DOCUMENTATION AND TRAINING [N]	5.410.2.5			N/A		
MANDATORY	SYSTEMS MANUAL [N]	5.410.2.5.1			N/A		
MANDATORY	SYSTEMS OPERATION TRAINING [N]	5.410.2.5.2			N/A		
MANDATORY	COMMISSIONING REPORT [N]	5.410.2.6			N/A		
MANDATORY	TESTING AND ADJUSTING FOR NEW BUILDINGS < 10,000 SF OR NEW SYSTEMS THAT SERVE ADDITIONS OR ALTERATIONS [A]	5.410.4			N/A		
MANDATORY	SYSTEM TESTING PLAN FOR RENEWABLE ENERGY, LANDSCAPE IRRIGATION AND WATER REUSE [A]	5.410.4.2			N/A		
MANDATORY	PROCEDURES FOR TESTING AND ADJUSTING	5.410.4.3	Y				SPEC 23 05 93
MANDATORY	PROCEDURES FOR HVAC BALANCING	5.410.4.3.1	Y				SPEC 23 05 93
MANDATORY	REPORTING FOR TESTING AND ADJUSTING	5.410.4.4	Y				SPEC 23 05 93
MANDATORY	OPERATION AND MAINTENANCE (O&M) MANUAL	5.410.4.5	Y				SPEC 01 77 00
MANDATORY	INSPECTION AND REPORTS	5.410.4.5.1	Y				SPEC 01 77 00

DIVISION 5.5 ENVIRONMENTAL QUALITY

REQUIREMENT	SECTION TITLE	CODE SECTION	Y	N	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
MANDATORY	FIREPLACES	5.503.1			N/A		
MANDATORY	WOODSTOVES	5.503.1.1			N/A		
MANDATORY	TEMPORARY VENTILATION	5.504.1	Y				SHEET M001
MANDATORY	COVERING OF DUCTS OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION	5.504.3	Y				SHEET M001
MANDATORY	ADHESIVES, SEALANTS, AND CAULKS	5.504.4.1	Y				SPEC 07 90 00
MANDATORY	PAINTS AND COATINGS	5.504.4.3	Y				SPEC 09 90 00
MANDATORY	AEROSOL PAINTS AND COATINGS	5.504.4.3.1			N/A		
MANDATORY	AEROSOL PAINTS AND COATINGS: VERIFICATION	5.504.4.3.2			N/A		
MANDATORY	CARPET SYSTEMS	5.504.4.4	Y				SPEC 09 68 00
MANDATORY	CARPET CUSHION	5.504.4.4.1	Y				SPEC 09 68 00
MANDATORY	CARPET ADHESIVES PER TABLE 5.504.4.1	5.504.4.4.2	Y				SPEC 09 68 00
MANDATORY	COMPOSITE WOOD PRODUCTS	5.504.4.5			N/A		
MANDATORY	COMPOSITE WOOD PRODUCTS: DOCUMENTATION	5.504.4.5.3			N/A		
MANDATORY	RESILIENT FLOORING SYSTEMS	5.504.4.6	Y				SPEC 09 65 00
MANDATORY	RESILIENT FLOORING: VERIFICATION OF COMPLIANCE	5.504.4.6.1	Y				SPEC 09 65 00
MANDATORY	THERMAL INSULATION	5.504.4.7	Y				SPEC 07 21 00
MANDATORY	THERMAL INSULATION: VERIFICATION OF COMPLIANCE	5.504.4.7.1	Y				SPEC 07 21 00
MANDATORY	ACOUSTICAL CEILINGS AND WALL PANELS	5.504.4.8	Y				SPEC 09 51 00, 09 51 53, 09 84 00, 09 84 13
MANDATORY	ACOUSTICAL CEILING AND WALL PANELS: VERIFICATION OF COMPLIANCE	5.504.4.8.1	Y				SPEC 09 51 00, 09 51 53, 09 84 00, 09 84 13
MANDATORY	FILTERS (WITH EXCEPTIONS)	5.504.5.3	Y				SHEET M001
MANDATORY	FILTERS: LABELING	5.504.5.3.1	Y				SHEET M001
MANDATORY	ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL	5.504.7			N/A		
MANDATORY	INDOOR MOISTURE CONTROL	5.505.1	Y				SHEET M202
MANDATORY	OUTSIDE AIR DELIVERY	5.506.1	Y				SHEET M202
MANDATORY	CARBON DIOXIDE (CO2) MONITORING	5.506.2	Y				GENERAL CONTRACTOR REQUIREMENT
MANDATORY	ACOUSTICAL CONTROL (WITH EXCEPTION)	5.507.4			N/A		
MANDATORY	EXTERIOR NOISE TRANSMISSION, PRESCRIPTIVE METHOD (WITH EXCEPTIONS)	5.507.4.1			N/A		
MANDATORY	NOISE EXPOSURE WHERE NOISE CONTOURS ARE NOT READILY AVAILABLE	5.507.4.1.1			N/A		
MANDATORY	PERFORMANCE METHOD	5.507.4.2			N/A		
MANDATORY	SITE FEATURES	5.507.4.2.1			N/A		
MANDATORY	DOCUMENTATION OF COMPLIANCE	5.507.4.2.2			N/A		
MANDATORY	INTERIOR SOUND TRANSMISSION (WITH NOTE)	5.507.4.3			N/A		
MANDATORY	OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS	5.508.1	Y				SHEET M202
MANDATORY	CHLOROFLUOROCARBONS (CFCS)	5.508.1.1	Y				SHEET M202
MANDATORY	HALONS	5.508.1.2	Y				SHEET M202
MANDATORY	SUPERMARKET REFRIGERANT LEAK REDUCTION FOR RETAIL FOOD STORES 8,000 SQUARE FEET OR MORE	5.508.2 THROUGH 5.508.2.6.3			N/A		
	END OF MANDATORY PROVISIONS						

DOCUMENTATION AUTHOR'S / RESPONSIBLE DESIGNER'S DECLARATION STATEMENT

☐ **MANDATORY: I ATTEST THAT THIS MANDATORY PROVISIONS CHECKLIST IS ACCURATE AND COMPLETE.**

SIGNATURE:

COMPANY:	DATE:
HOLT ARCHITECTURE	09/17/2025
ADDRESS:	LICENSE:
2300 MARKET ST #140	C-37028
CITY/STATE/ZIP:	PHONE:
RIVERSIDE CA. 92555	(951)462-1451

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CONSULTANT:

STAMPS:

LICENSED ARCHITECT
MATTHEW CHARLES ACTON
C-37028
REGISTERED
STATE OF CALIFORNIA

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:09:55 PM

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: P&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 COMMENTS
	09/17/25	PC RD 2 SUBMITTAL

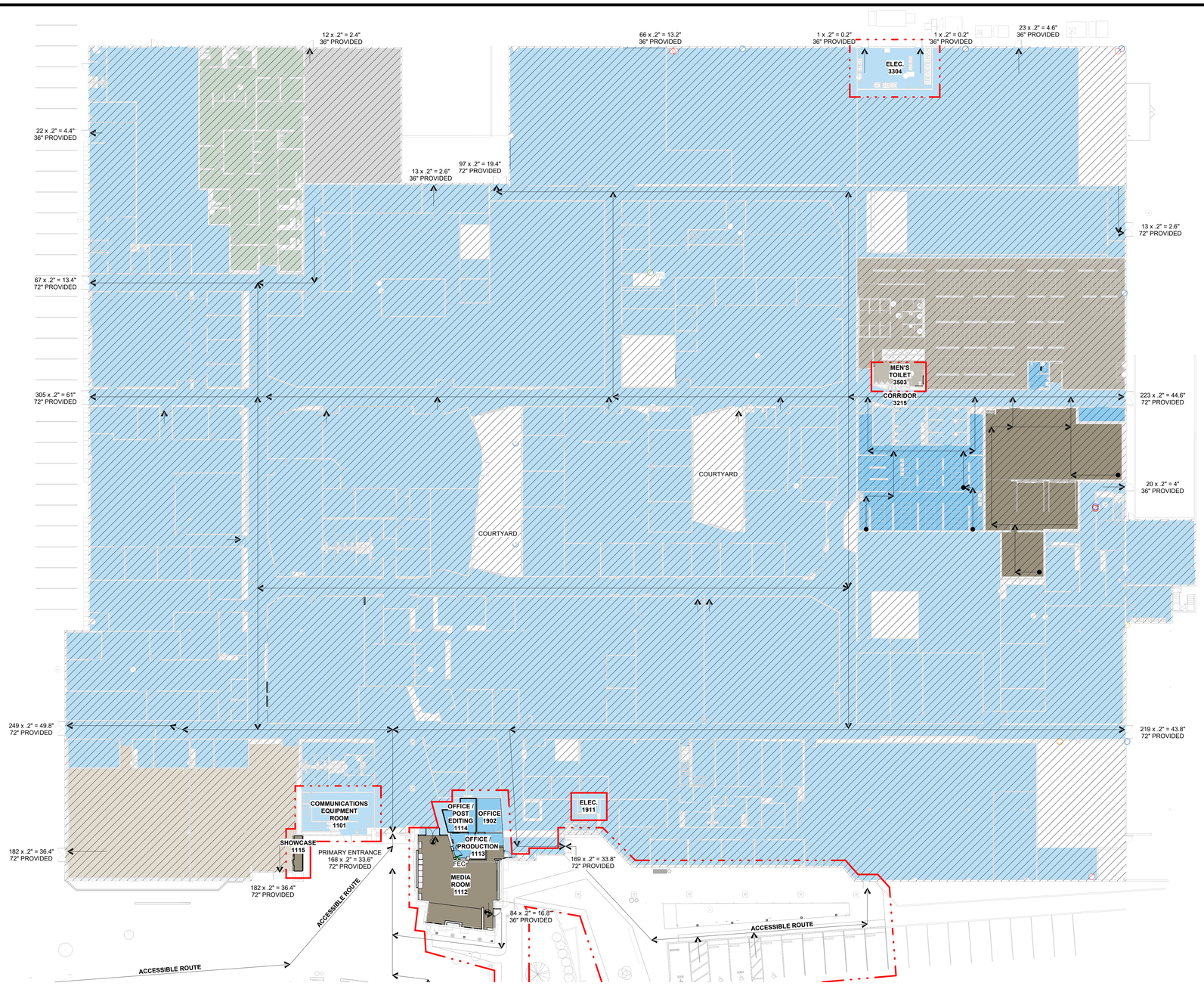
PROJECT NO.: ONT.010

SHEET TITLE:
CAL-GREEN CHECKLIST

SHEET NO.:
G004

USE AND OCCUPANCY

- ASSEMBLY_A-2
- ASSEMBLY_A-3
- BUSINESS
- INSTITUTIONAL_I-3
- STORAGE_S-2 LOW



1 OCCUPANCY PLAN - FIRST FLOOR - OVERALL
1" = 20'-0"

OCCUPANCY PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		LIMIT OF WORK	
		ADA PATH OF TRAVEL	
		(N) FRAMED WALL	REFER TO **A601** WALL SCHEDULE
FEC		RECESSED FIRE EXTINGUSHER CABINET	REFER TO **12/A550** FOR ADDITIONAL INFORMATION
		EXIT LIGHT	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
NOT USED			

GENERAL NOTES

1. PER SECTION 303.1.2 - SMALL ASSEMBLY SPACES. A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES THAT IS LESS THAN 750 SQUARE FEET IN AREA AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS A GROUP B OCCUPANCY OR AS PART OF THAT OCCUPANCY.
2. SQUARE FOOTAGES SHOWN ON SCHEDULE ARE USEABLE AREA.
3. ALL PENETRATIONS THROUGH FIRE-RATED WALLS, FLOOR ASSEMBLIES AND SHAFTS SHALL BE EQUIPPED WITH DAMPERS, SEALANTS, OR OTHER APPROPRIATE AND APPROVED MATERIALS AND METHODS SO AS TO MAINTAIN RATING.
4. BUILDINGS AND SITE SHALL BE ACCESSIBLE PER T24 CCR. SIGNAGE SHALL BE PROVIDED USING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (#1590 IN FEDERAL STANDARD 599b) AS REQUIRED ALONG ACCESSIBLE ROUTES TO ACCESSIBLE ENTRANCES. SIGNAGE SHALL ALSO BE INCLUDED AT EACH ACCESSIBLE ENTRANCE. REFER TO SHEETS AS101 FOR ADDITIONAL INFORMATION.
5. FIRE EXTINGUISHERS SHALL BE PLACED AS REQUIRED BY THE FIRE MARSHALL. FIRE EXTINGUISHERS SHALL BE PLACED IN FIRE EXTINGUISHER CABINETS. INSTALL PORTABLE FIRE EXTINGUISHERS PER NFPA PAMPHLET #2, BUT NOT LESS THAN 210BC IN RATING. CABINETS SHALL BE SURFACE MOUNTED OR SEMI-RECESSED PER PLAN.
6. FOR BUILDING OCCUPANT LOAD CALCUATIONS, EGRESS WIDTH, EGRESS ROUTE CALCULATIONS, AND PLUMBING FIXTURE REQUIREMENTS REFER TO SHEET **G600**.
7. FOR CODE ANALYSIS INFORMATION REFER TO SHEETS **G102**.
8. FOR PATH OF TRAVEL OUTSIDE OF BUILDING REFER TO SHEET **AS100** AND **AS101**.
9. FOR ALL BUILDING ACCESSIBILITY DETAILS REFER TO **A500**.
10. FOR EMERGENCY LIGHTING LOCATIONS, REFER TO **E402**.
11. FOR ALL WALL ASSEMBLY INFORMATION REFER TO SHEET **A101** AND WALL SCHEDULE.
12. CONTRACTOR TO PROVIDE PORTABLE ASSISTIVE LISTENING SYSTEMS IN ASSEMBLY AREAS, INCLUDING CONFERENCE AND MEETING ROOMS (4% OF 166 OCCUPANT LOAD = 7 DEVICES).

KEY NOTES

NOT USED

KEY PLAN

NOT USED

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CONSULTANT:

STAMPS:

LICENSED ARCHITECT
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C-37028
STATE OF CALIFORNIA

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
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Date: 09/29/2025 4:09:56 PM

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

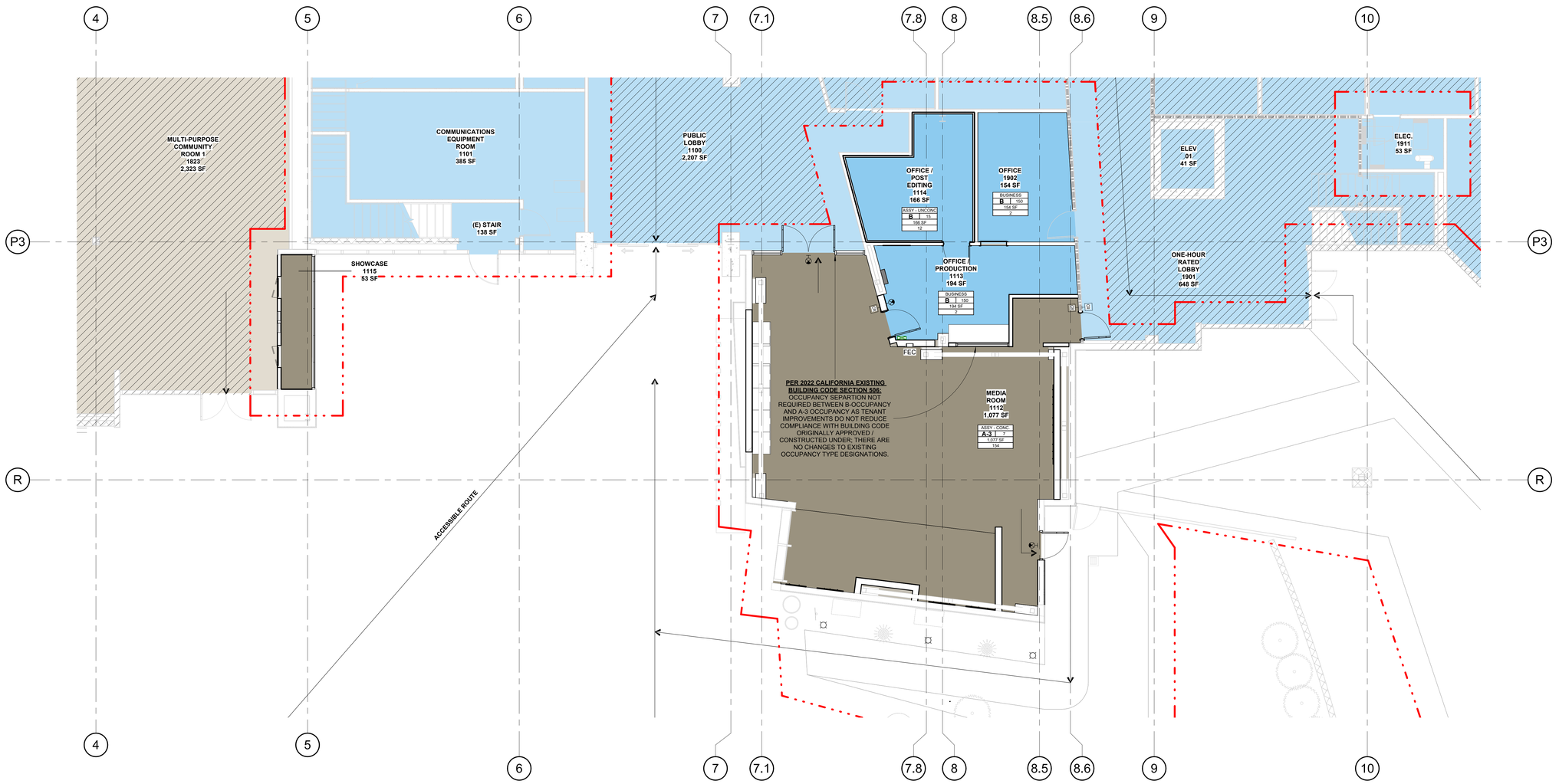
FIRST FLOOR - OCCUPANCY PLAN - OVERALL

SHEET NO.:

G100

USE AND OCCUPANCY

- ASSEMBLY_A-2
- ASSEMBLY_A-3
- BUSINESS



1 FIRST FLOOR - OCCUPANCY PLAN - ENLARGED
3/16" = 1'-0"

True North

OCCUPANCY PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		LIMIT OF WORK	
		ADA PATH OF TRAVEL	
		(N) FRAMED WALL	REFER TO **A601** WALL SCHEDULE
CR		CR - CARD READER	REFER TO TECHNOLOGY FOR ADDITIONAL INFORMATION
FEC		RECESSED FIRE EXTINGUSHER CABINET	REFER TO **12/A550** FOR ADDITIONAL INFORMATION
		EXIT LIGHT	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION

NOT USED

GENERAL NOTES

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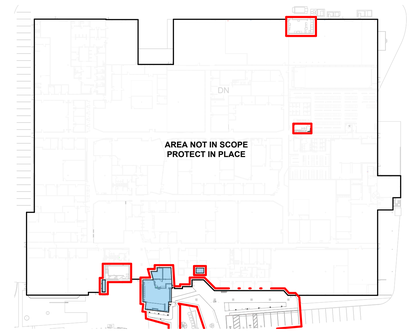
KEY NOTES

NOT USED

KEY PLAN



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Sep 23, 2025
BPR CONSULTING GROUP

MEDIA ROOM

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PROJECT:

CLIENT: ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO. : DA\C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 COMMENTS
	09/17/25	PC RD 2 SUBMITTAL

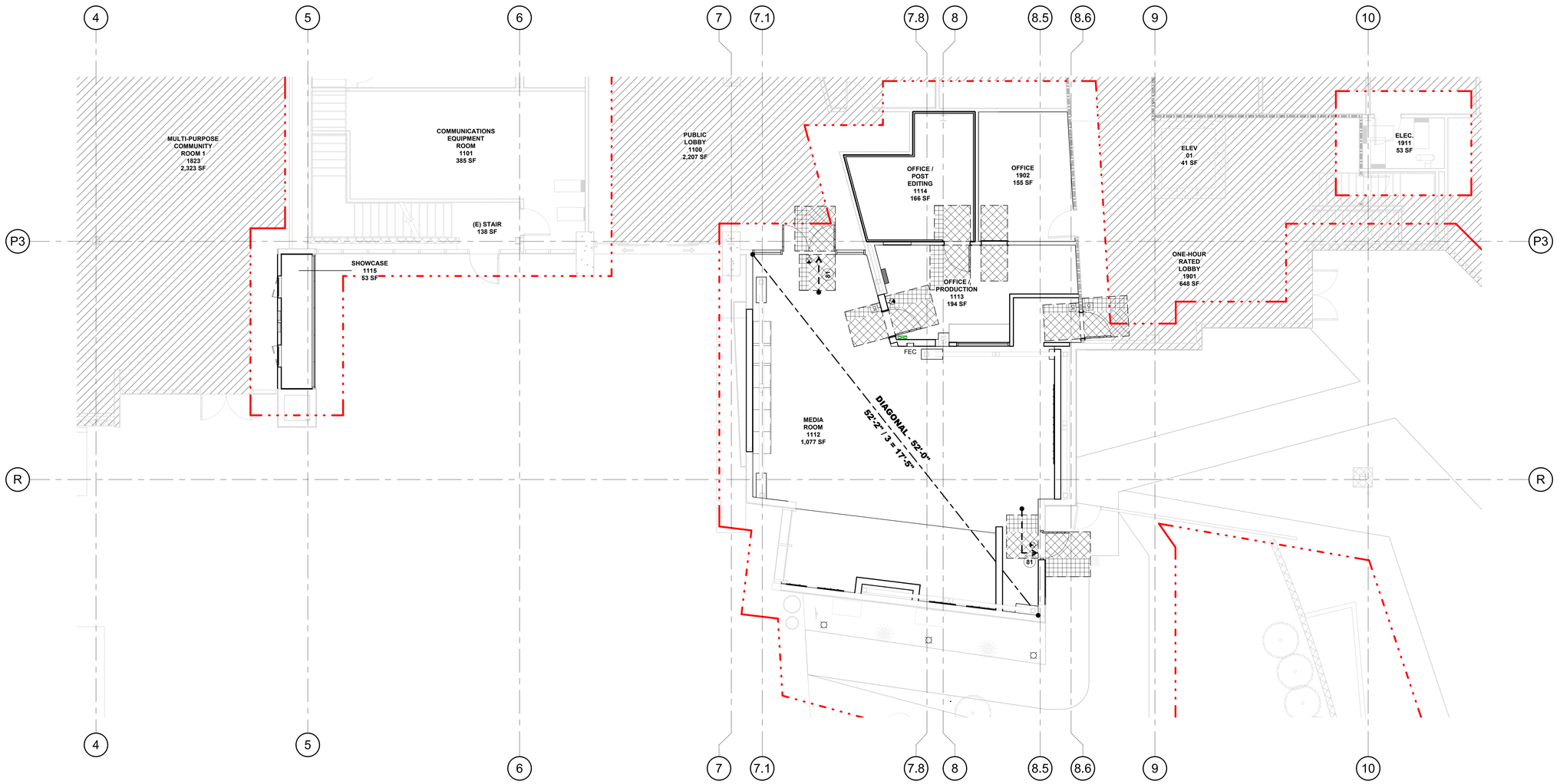
PROJECT NO.: ONT.010

SHEET TITLE:

FIRST FLOOR - OCCUPANCY PLAN - ENLARGED

SHEET NO.:

G101



1 FIRST FLOOR - CODE ANALYSIS PLAN - ENLARGED
3/16" = 1'-0"

True North

CODE PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		LIMIT OF WORK	
0		EXIT ACCESS ROUTE EXIT OCCUPANT LOAD	
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FEC		RECESSED FIRE EXTINGUSHER CABINET	REFER TO **12/A550** FOR ADDITIONAL INFORMATION
		EXIT LIGHT	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION
		CLEAR FLOOR SPACE	

NOT USED

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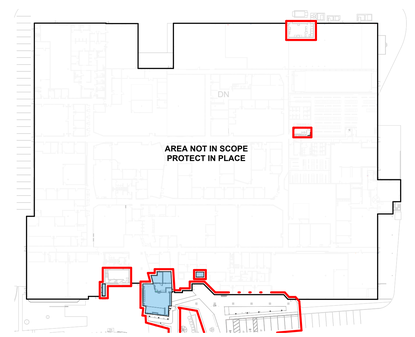
KEY NOTES

NOT USED

KEY PLAN



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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

FIRST FLOOR - CODE ANALYSIS PLAN - ENLARGED

SHEET NO.:

G102

NOT USED

AREA OF WORK PLUMB. LOAD

NO.	NAME	CPC FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
1112	MEDIA ROOM	ASSEMBLY - WITHOUT FIXED SEATS	1,077 SF	11	98
1113	OFFICE / PRODUCTION	BUSINESS	194 SF	150	2
1114	OFFICE / POST EDITING	ASSEMBLY - WITHOUT FIXED SEATS	166 SF	11	16
1115	SHOWCASE	N/A	53 SF	0	
1902	OFFICE	BUSINESS	154 SF	150	2

AREA OF WORK OCCU. LOAD

NO.	NAME	OCCUPANCY FUNCTION	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
FINISH FLOOR					
1112	MEDIA ROOM	ASSY - CONC.	1,077 SF	7	154
1113	OFFICE / PRODUCTION	BUSINESS	194 SF	150	2
1114	OFFICE / POST EDITING	ASSY - UNCONC	166 SF	15	12
1115	SHOWCASE	N/A	53 SF	0	
1902	OFFICE	BUSINESS	154 SF	150	2
			1,644 SF		170
TOTAL:			1,644 SF		170

REQUIRED EGRESS WIDTHS

NO.	NAME	AREA	OCCUPANT LOAD	DOOR WIDTH FACTOR	DOOR WIDTH REQ. (IN.)
1112	MEDIA ROOM	1,077 SF	154	0.2	30.8
1113	OFFICE / PRODUCTION	194 SF	2	0.2	0.4
1114	OFFICE / POST EDITING	166 SF	12	0.2	2.4
1115	SHOWCASE	53 SF		0	
1902	OFFICE	154 SF	2	0.2	0.4
GRAND TOTAL:		1,644 SF	170		34.0

CODE SCHEDULE GEN. NOTES

1. PER SECTION 303.1.2 - SMALL ASSEMBLY SPACES. A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES WITH AN OCCUPANT LOAD OF LESS 50 PERSONS AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS A GROUP B OCCUPANCY OR AS PART OF THAT OCCUPANCY.
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NOT USED

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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

SCHEDULES

SHEET NO.:

G600

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GENERAL NOTES:

1. ALL WORK PERFORMED IN THIS CONTRACT SHALL CONFORM TO:

   A. PROJECT SPECIFICATIONS.

   B. THE LATEST STANDARD PLANS AND SPECIFICATIONS OF THE CITY OF ONTARIO.

   C. THE CALIFORNIA DEPARTMENT OF TRANSPORTATION AND 2022 CALIFORNIA BUILDING CODE.

   D. WORK WITHIN PUBLIC RIGHT OF WAY AND ON SITE IMPROVEMENTS SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION(SSPWC) AND AMERICAN PUBLIC WORKS ASSOCIATION (APWA) AND THE CITY OF ONTARIO.

2. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE WORK SPECIFIED ON THE DRAWINGS AND WITHIN THE VARIOUS NOTES SHOWN HEREIN.

3. THE EXISTING CONDITIONS SHOWN DIAGRAMMATICALLY ON THE PLANS ORIGINATED FROM AS-BUILT DRAWINGS AND FIELD SURVEY. IT SHALL BE THE RESPONSIBILITY OF CONTRACTOR TO VISIT THE JOB SITE AND VERIFY THE EXACT EXISTING CONDITIONS UNLESS CONCEALED BEFORE SUBMITTING HIS BID. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE OWNER USING THE PROPER REQUEST FOR INFORMATION FORMS PRIOR TO SUBMITTING HIS BID FOR PROPER ACTION.

UNDERGROUND SERVICE ALERT AND UTILITY SURVEY

4. BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT INQUIRY I.D. NUMBER BY CALLING 1-800-422-4133, TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED THAT UTILITY OWNERS CAN BE NOTIFIED.

PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS AND PERSONNEL

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PUBLIC AND PRIVATE PROPERTY ADJACENT TO THE WORK THAT ARE NOT PART OF THE DEMOLITION WORK IF ANY. CONTRACTOR TO RESTORE DAMAGED AREAS TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER.

6. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT.

GENERAL DEMOLITION AND NEW SITE WORK

7. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES IN THE AREA OF WORK WHICH ARE NOT INCLUDED IN THIS CONSTRUCTION. ANY DAMAGE RESULTING FROM THIS WORK SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

8. CONTRACTOR SHALL FIELD VERIFY EXISTING STRUCTURES AND SUBSTRUCTURES WHICH ARE INDICATED TO BE REMOVED IN THIS CONSTRUCTION DOCUMENTS SHALL BE TOTALLY REMOVED AND DISPOSED OF OFFSITE, UNLESS OTHERWISE INDICATED. EXISTING FACILITIES WHICH ARE DISCOVERED DURING CONSTRUCTION (INCLUDING WALLS, FOOTINGS AND FOUNDATIONS) SHALL BE REPORTED TO AND COORDINATED WITH THE OWNER AS TO THEIR REMOVAL. CONTRACTOR WILL NOTIFY THE OWNER IN WRITING PRIOR TO COMMENCING THE WORK.

9. ALL SITE PREPARATION AS INDICATED SHALL BE MADE UNDER THE CONTINUOUS INSPECTION OF THE INSPECTOR OF RECORD (IOR) AND OWNER AUTHORIZED REPRESENTATIVE (OAR). SECURE THE REQUIRED PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY FOR THE CONSTRUCTION OF TRENCHES, SHORING OR EXCAVATIONS WHICH ARE 5 FEET OR DEEPER OR WORK THAT MAY JEOPARDIZE THE WORKERS. SHORING CALCULATIONS SHALL BE PROVIDED AS REQUIRED FOR APPROVAL AND PERMITTING.

10. THE CONTRACTOR SHALL CONTROL CONSTRUCTION NOISE AND SHALL KEEP THE CONSTRUCTION AREA SUFFICIENTLY DAMPENED TO CONTROL DUST CAUSED BY WORK ACTIVITIES AS REQUIRED BY THE OWNER AND JURISDICTIONAL AGENCY.

11. CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND THE PERIMETER OF THE CONSTRUCTION SITE AND STAGING AREA. CONTRACTOR TO REFER TO SPECIFICATION 015000 "CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS" FOR ALL TEMPORARY FACILITIES.

12. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUND WATER THAT MAY BE NECESSARY TO ACCOMPLISH EXCAVATIONS SHOWN ON THESE PLANS.

13. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS, AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

SURVEYS AND TESTING

14. CONSTRUCTION STAKING AND ADJUSTMENTS FOR SITE AND UTILITY IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR PAID FOR BY THE CONTRACTOR AND INCLUDED IN THE CONTRACT.

15. ANY ADDITIONAL SURVEYS OR TESTING AS A RESULT OF CONTRACTOR ERROR OR MISINFORMATION WILL BE CHARGED TO THE CONTRACTOR.

16. SITE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES, AND RESTRICTED USE AREAS SHALL BE LOCATED USING CONSTRUCTION STAKING. PRIOR TO GRADING, ALL PROPERTY LINES, EASEMENTS, GRAVITY PIPING INVERTS (STORM DRAIN AND SEWERS) AT THEIR OUTFALLS, AND RESTRICTED USE AREAS SHALL BE STAKED BY A LICENSED SURVEYOR.

GENERAL GRADING

17. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.

18. ADJUST TO GRADE EXISTING MANHOLE RIMS, SEWER CLEANOUTS, VALVE BOXES, AND ELECTRICAL VAULT LIDS TO DESIGN GRADES WITHIN THE IMPROVEMENT AREA.

19. ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE APPROVED BY THE JURISDICTIONAL AGENCY REPRESENTATIVE OR A LEGAL DUMPSITE. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE INSPECTOR OF RECORD UPON REQUEST.

20. APPROVED GRADING PLANS MUST BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE SITE AT ALL TIMES.

21. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE DURING INTERIM CONDITIONS UP TO COMPLETION OF CONSTRUCTION.

22. THE PROPOSED GRADE IS THE FINAL GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL SUBTRACT THE THICKNESS OF THE PAVED SECTION AND/OR LANDSCAPE TOPSOIL SECTION TO ARRIVE AT THE ROUGH GRADE ELEVATION.

23. THE CONTRACTOR SHALL OBTAIN AN CAL/O.S.H.A. PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE FEET OR DEEPER.

24. COPY OF THE APPROVED GRADING PLANS MUST BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE SITE AT ALL TIMES.

GENERAL UTILITY WORK

25. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA. INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE CONTRACTOR'S SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.

26. IF EXISTING UTILITIES ARE EXPOSED OR DETERMINED TO EXIST DURING GRADING, CONTRACTOR SHALL PROVIDE A FLAGGED STAKE THAT INDICATES THEIR LOCATION, TYPE OF UTILITY, SIZE, PIPE MATERIAL, AND DEPTH. STAKES SHALL BE INSTALLED NO LESS THAN 50' ON CENTER ON STRAIGHT LINES AND AT BENDS. NOTIFY OWNER IMMEDIATELY REGARDING THESE UNFORESEEN UTILITIES.

27. UNCLOG, CLEAN, AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.

28. CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND THE PERIMETER OF THE CONSTRUCTION SITE AND STAGING AREA. FENCING SHALL BE MINIMUM 6' TALL AND SHALL HAVE A DUST/VISION BARRIER ALONG THE FULL LENGTH. THE DUST/VISION BARRIER SHALL EXTEND THE LENGTH OF THE CONSTRUCTION SITE. THE FENCING SHALL BE ANCHORED TO THE SURFACE AND SHALL BE ABLE TO WITHSTAND A 200-POUND HORIZONTAL POINT LOAD IN ANY DIRECTION. WORK AREA AND STAGING AREA SHALL BE SECURE AT ALL TIMES.

29. REMOVE YARD BOXES WITHIN THE GRADING LIMITS AND INSTALL NEW ONES TO MATCH DESIGN GRADES.

30. ALL SUBDRAIN OUTLETS ARE TO BE SURVEYED FOR LINE AND ELEVATION. SUBDRAIN INFORMATION MUST BE SHOWN ON AN "AS-BUILT" GRADING PLAN.

31. STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.

32. ALL ON-SITE CATCH BASINS SHALL BE STENCILED NOTIFYING THE PUBLIC THAT NO DUMPING IS PERMITTED. THE CONTRACTOR SHALL OBTAIN THE LATEST STENCIL FROM THE COUNTY STREETS DIVISION.

CLOSE-OUT

33. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL REMOVE EXISTING CONSTRUCTION FENCING, APPURTENANCES, AND OFFICE TRAILERS FROM THE SITE. PAVEMENT SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT PAVEMENT AND APPROVED BY THE INSPECTOR OF RECORD, CONSTRUCTION PROJECT MANAGER OR DISTRICT REPRESENTATIVE AS APPLICABLE.

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GENERAL NOTES (CONT.):

34. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE OWNER WITH A COMPLETE SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS OF ALL WORK PERFORMED UNDER THIS CONTRACT, AS SHOWN WITHIN THESE CONSTRUCTION DRAWINGS. ALL FIELD CHANGES SHALL BE SHOWN IN DETAIL ON THE "AS-BUILT" DRAWINGS AND SHALL INCORPORATE AS A MINIMUM, NEW ELEVATIONS, GRADES, AND ALIGNMENT OF UNDERGROUND FACILITIES WITH DIMENSIONAL TIES TO BUILDINGS OR OTHER VISIBLE IMPROVEMENTS.

LEGEND:

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS.
- LIMIT OF REMOVAL
- CONSTRUCT 4" THICK CONCRETE PAVEMENT OVER 4" THICK AGGREGATE BASE PER DETAIL 1 ON SHEET C400.
- CONSTRUCT 3" THICK AC PAVEMENT OVER 4" THICK CRUSHED AGGREGATE BASE PER DETAIL 1 ON SHEET C400.
- INSTALL NEW TRUNCATED DOME PER DETAIL 7 ON SHEET C400.
- INSTALL NEW STRIPING PER ARCHITECTURAL DRAWINGS.
- ADJUST EXISTING DIRT TO NEW GRADES.
- LIMIT OF WORK
- PATH OF TRAVEL
- BUILDING
- CAR STOP
- CHAIN LINK FENCE
- WOODEN OR WROUGHT IRON FENCE
- RAIL
- CONCRETE
- CABINET (CABINET)
- ELECTRICAL (E)
- ELECTRICAL PANEL (EPNL)
- FIRE DEPARTMENT CONTROL
- FIRE HYDRANT
- FLAG POLE
- WALL
- IRRIGATION CONTROL VALVE (ICV)
- IRRIGATION PULLBOX (IPB)
- LIGHT
- LIGHT POLE
- PALM
- PULLBOX (PB)
- POST
- SIGN
- TREE (TREE)
- UTILITY (UTIL)
- VAULT (VAULT)
- WATER METER (WM)
- WATER VALVE
- CENTER LINE (1567)
- CONTOUR LINE (1566.5)
- WALL
- PILLAR/ BUILDING

ABBREVIATIONS:

AC	ASPHALT CONCRETE
APWA	AMERICAN PUBLIC WORK ASSOCIATION
BLD	BUILDING
BS	BLUE STRIPE
BR	BOTTOM OF RAMP
BW/ BWAL	BOTTOM OF WALL
BX	BOTTOM OF SLOPE AT X
CC/CONC	CONCRETE
CF	CURB FACE
CRS	CARSTOP
CSLAB	CONCRETE SLAB
DI	DRAIN INLET
EC	EDGE OF CONRETE
ECV	ELECTRIC CONTROL VALVE
EG	EDGE OF GUTTER
ELEC	ELECTRICAL
EP	EDGE OF PAVEMENT
EPB	ELECTRIC PULL BOX
EPNL	ELECTRIC PANEL
FDC	FIRE DEPARTMENT CONTROL
FH	FIRE HYDRANT
FL	FLOWLINE
GRD	GROUND
GV	GAS VALVE
HCS	HANDICAP SIGN
ICV	IRRIGATION CONTROL VALVE
IOR	INSPECTOR OF RECORD
IPB	IRRIGATION PULL BOX
LF	LIGHT FIXTURE
LP	LIGHT POLE
OAR	OWNER AUTHORIZED REPRESENTATIVE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PA	PLANTER AREA
PLNTR	PLANTER
SLPB	STREET LIGHT PULL BOX
SMH	SEWER MANHOLE
SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
TC	TOP OF CURB
TDP	TRUNCATED DOME PAD
TR	TOP OF RAMP
TW/TWAL	TOP OF WALL
TX	TOP OF SLOPE AT X
RD	ROOF DRAIN
UTIL	UTILITY
WM	WATER METER
WS	WHITE STRIPE
WV	WATER VALVE

DIGALERT
DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

SHEET INDEX:

SHEET NO.	SHEET TITLE
C100	GENERAL NOTES, LEGENDS, ABBREVIATIONS AND SHEET INDEX
C101	TOPOGRAPHICAL SURVEY
CD100	SITE DEMOLITION PLAN
C200	SITE CONTROL AND UTILITY PLAN
C300	SITE GRADING PLAN
C400	MISCELLANEOUS DETAILS - SITE DETAILS
C401	MISCELLANEOUS DETAILS - STORM DRAIN
C500	SITE EROSION CONTROL PLAN
C501	EROSION CONTROL DETAILS

HOLT ARCHITECTURE
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2300 MARKET ST. STE 140
RIVERSIDE, CA 92501
PH: 951.462.1451
WWW.HOLTARCHITECTURE.COM

CONSULTANT:
VCA ENGINEERS INC
CIVIL • STRUCTURAL
631 S. Atlantic Blvd, Monterey Park, CA 91754
Tel. 323.729.6098
Fax. 323.729.6043

STAMPS:

REGISTERED PROFESSIONAL ENGINEER — No. C36079 — Exp. 6/30/26 — CIVIL — STATE OF CALIFORNIA

MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

PROJECT:
ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:09:56 PM

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
GENERAL NOTES, LEGENDS, ABBREVIATIONS AND SHEET INDEX

SHEET NO.:
C100

ABBREVIATIONS:

AC	ASPHALT CONCRETE
BLD	BUILDING
BS	BLUE STRIPE
BR	BOTTOM OF RAMP
BW	BOTTOM OF WALL
BWAL	BOTTOM OF WALL
BX	BOTTOM OF SLOPE AT X
CC/CONC	CONCRETE
CF	CURB FACE
CRS	CARSTOP
CSLAB	CONCRETE SLAB
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ECV	ELECTRIC CONTROL VALVE
EPNL	ELECTRIC PANEL
FDC	FIRE DEPARTMENT CONTROL
FH	FIRE HYDRANT
FL	FLOWLINE
GRD	GROUND
GV	GAS VALVE
HCS	HANDICAP SIGN
ICV	IRRIGATION CONTROL VALVE
IPB	IRRIGATION PULL BOX
LF	LIGHT FIXTURE
LP	LIGHT POLE
PA	PLANTER AREA
PLNTR	PLANTER
SLPB	STREET LIGHT PULL BOX
SMH	SEWER MANHOLE
TC	TOP OF CURB
TDP	TRUNCATED DOME PAD
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TW	TOP OF WALL
TWAL	TOP OF WALL
TX	TOP OF SLOPE AT X
RD	ROOF DRAIN
UTIL	UTILITY
WM	WATER METER
WS	WHITE STRIPE
WV	WATER VALVE

LEGEND:

CENTER LINE

CONTOUR LINE (1567 / 1566.5)

WALL

PILLAR/BUILDING

CAR STOP

CENTER LINE

BUILDING

RAIL

CONCRETE

CHAIN LINK FENCE

WALL

WOODEN OR WROUGHT IRON FENCE

CABINET — CABINET
CAR STOP — CAR STOP
E — ELECTRICAL
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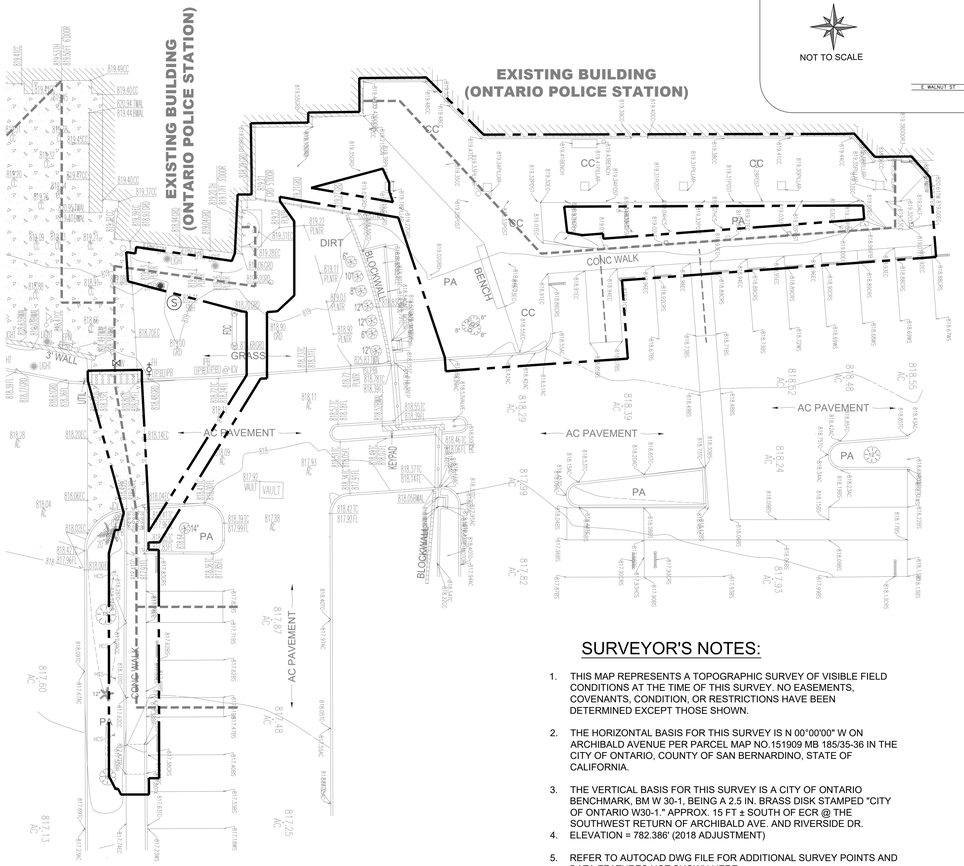
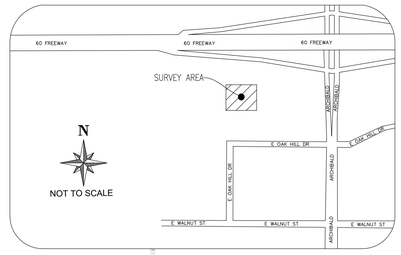
LIGHT
LIGHT POLE
PALM
PB — PULLBOX
POST

SIGN
TREE
UTIL — UTILITY
VAULT
WM — WATER METER
WATER VALVE





SURVEYOR'S NOTES:

1. THIS MAP REPRESENTS A TOPOGRAPHIC SURVEY OF VISIBLE FIELD CONDITIONS AT THE TIME OF THIS SURVEY. NO EASEMENTS, COVENANTS, CONDITION, OR RESTRICTIONS HAVE BEEN DETERMINED EXCEPT THOSE SHOWN.
2. THE HORIZONTAL BASIS FOR THIS SURVEY IS N 00°00'00" W ON ARCHIBALD AVENUE PER PARCEL MAP NO.151909 MB 185/35-36 IN THE CITY OF ONTARIO, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA.
3. THE VERTICAL BASIS FOR THIS SURVEY IS A CITY OF ONTARIO BENCHMARK, BM W 30-1, BEING A 2.5 IN. BRASS DISK STAMPED "CITY OF ONTARIO W30-1." APPROX. 15 FT ± SOUTH OF ECR @ THE SOUTHWEST RETURN OF ARCHIBALD AVE. AND RIVERSIDE DR.
4. ELEVATION = 782.386' (2018 ADJUSTMENT)
5. REFER TO AUTOCAD DWG FILE FOR ADDITIONAL SURVEY POINTS AND DATA FEATURES NOT SHOWN HERE.

FD 2" BRASS DISK IN WELL MON, LS5441 DN 1', PER CITY OF ONTARIO FB 6609

120' (60' + 60')

℄ ARCHIBALD AVENUE

N 00°00'00" W 673.24' (673.26')

(BASIS OF BEARING PER P.M. NO. 15109, M.B. 185, PAGES 35-36)
CENTERLINE IS FOR PRESENTATION ONLY

120' (60' + 60')

FD 2" BRASS DISK IN WELL MON, LS5441 DN 1', PER CITY OF ONTARIO FB 6611

SURVEY INFORMATION:

SURVEY PERFORMED BY:
FLORENTINO FERRER
FERRER & ASSOCIATES
LAND SURVEYORS & ENGINEERS
16388 COLIMA ROAD, UNIT 206-L
HACIENDA HEIGHTS, CA 91745

BENCH MARK INFORMATION:
SURVEY NAIL APPROXIMATELY 15FT ± S OF ECR @ THE SW RETURN OF ARCHIBALD AVE. AND RIVERSIDE DR.
ELEVATION = 782.386'
YEAR OF RECORD: 2018

SURVEY DATE:
08/13/2024

LEGENDS:

DISTURBED AREA

FOR REFERENCE ONLY

TOPOGRAPHICAL SURVEY

15 7.5 0 15 30

SCALE: 1"=15'

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HOLT ARCHITECTURE
36951 COOK ST. STE 103
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631 S. Atlantic Blvd, Monterey Park, CA 91754
Tel. 323.729.6098
Fax. 323.729.6043

STAMPS:

REGISTERED PROFESSIONAL ENGINEER — No. C56079 — Exp. 6/30/26 — CIVIL — STATE OF CALIFORNIA

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO — City of Ontario | Building Department — APPROVED & REVIEWED FOR CODE COMPLIANCE — The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances. Date: 09/29/2025 4:09:56 PM

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

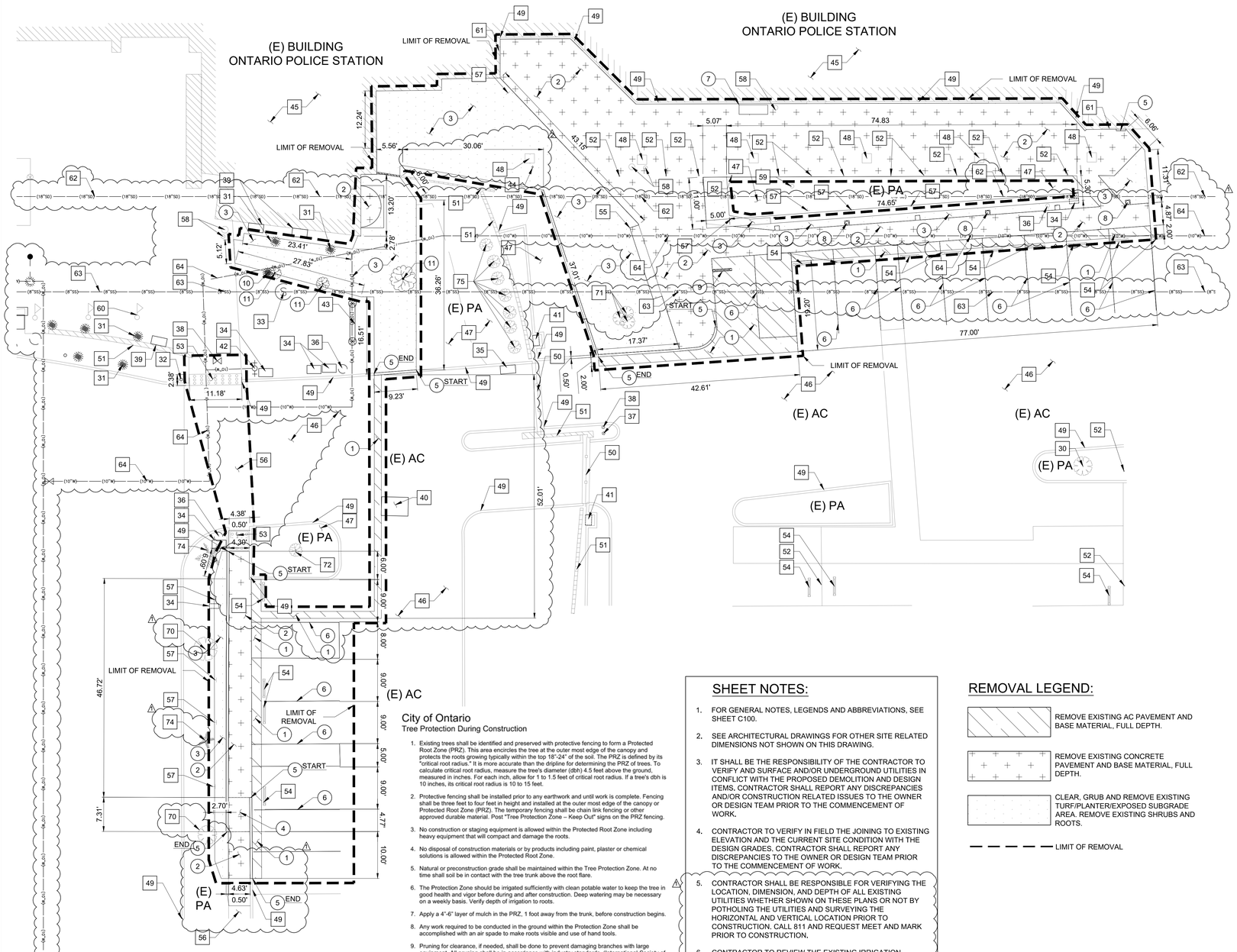
PROJECT NO.: ONT.010

SHEET TITLE:

TOPOGRAPHICAL SURVEY

SHEET NO.:

C101



REMOVAL NOTES:

1. REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL, FULL DEPTH.
2. REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
3. CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS.
4. REMOVE EXISTING CONCRETE CURB RAMP IN ITS ENTIRETY.
5. REMOVE EXISTING CONCRETE CURB IN ITS ENTIRETY.
6. REMOVE EXISTING STRIPING.
7. REMOVE AND RELOCATE EXISTING BENCH.
8. REMOVE EXISTING LIGHT FIXTURE AND FOUNDATION PER ELECTRICAL DRAWINGS.
9. REMOVE AND REINSTALL EXISTING CONCRETE WHEEL STOP.
10. SALVAGE AND RELOCATE EXISTING BOLLARD PER ELECTRICAL DRAWINGS.
11. REMOVE EXISTING MAGNOLIA GRANDIFLORA /TREE IN ITS ENTIRETY. COORDINATE WITH ARCHITECTURAL DRAWINGS AND DISTRICT PRIOR TO REMOVAL.

PROTECT-IN-PLACE NOTES:

30. PROTECT IN PLACE EXISTING SHRUBS, SOD, ETC. COORDINATE WITH OWNER FOR ANY REQUIRED LANDSCAPE MODIFICATIONS.
31. PROTECT IN PLACE EXISTING LIGHT POSTS AND FOUNDATION.
32. PROTECT IN PLACE EXISTING UTILITY.
33. PROTECT IN PLACE EXISTING SEWER MANHOLE.
34. PROTECT IN PLACE EXISTING IRRIGATION PULL BOX.
35. PROTECT IN PLACE EXISTING STREET LIGHT PULL BOX.
36. PROTECT IN PLACE EXISTING IRRIGATION CONTROL VALVE.
37. PROTECT IN PLACE EXISTING ELECTRIC CONTROL VALVE.
38. PROTECT IN PLACE EXISTING WATER VALVE.
39. PROTECT IN PLACE EXISTING ELECTRICAL PANEL.
40. PROTECT IN PLACE EXISTING ELECTRICAL VAULT.
41. PROTECT IN PLACE EXISTING GATE MOTOR.
42. PROTECT IN PLACE EXISTING FIRE HYDRANT.
43. PROTECT IN PLACE EXISTING FIRE DEPARTMENT CONTROL.
44. PROTECT IN PLACE EXISTING ROOF DRAIN.
45. PROTECT IN PLACE EXISTING BUILDING.
46. PROTECT IN PLACE EXISTING AC PAVEMENT.
47. PROTECT IN PLACE EXISTING PLANTER/TURF AREA.
48. PROTECT IN PLACE EXISTING CONCRETE PILLAR AND FOUNDATION.
49. PROTECT IN PLACE EXISTING CONCRETE CURB.
50. PROTECT IN PLACE EXISTING SLIDING GATE.
51. PROTECT IN PLACE EXISTING CMU WALL.
52. PROTECT IN PLACE EXISTING POSTS.
53. PROTECT IN PLACE EXISTING TRUNCATED DOMES.
54. PROTECT IN PLACE EXISTING WHEEL STOPPERS.
55. PROTECT IN PLACE EXISTING CONCRETE BENCH.
56. PROTECT IN PLACE EXISTING CONCRETE PAVEMENT.
57. PROTECT IN PLACE EXISTING SIGN.
58. PROTECT IN PLACE EXISTING WASTE DISPOSAL AND ASH-TRAY.
59. PROTECT IN PLACE EXISTING SHUT VALVE.
60. PROTECT IN PLACE EXISTING FLAG POLE.
61. PROTECT IN PLACE EXISTING DOORS.
62. PROTECT IN PLACE EXISTING STORM DRAIN LINE AND APPURTENANCES IN ITS ENTIRETY.
63. PROTECT IN PLACE EXISTING SEWER LINE AND APPURTENANCES IN ITS ENTIRETY.
64. PROTECT IN PLACE EXISTING WATER LINE AND APPURTENANCES IN ITS ENTIRETY.

PROTECT-IN-PLACE TREE NOTES:

70. PROTECT IN PLACE EXISTING CINNAMOMUM CAMPHORA. COORDINATE WITH OWNER FOR ANY REQUIRED LANDSCAPE MODIFICATIONS.
71. PROTECT IN PLACE EXISTING JACARANDA. COORDINATE WITH OWNER FOR ANY REQUIRED LANDSCAPE MODIFICATIONS.
72. PROTECT IN PLACE EXISTING LOPHOSTEMOM CONFERTUS. COORDINATE WITH OWNER FOR ANY REQUIRED LANDSCAPE MODIFICATIONS.
73. PROTECT IN PLACE EXISTING MAGNOLIA GRANDIFLORA. COORDINATE WITH OWNER FOR ANY REQUIRED LANDSCAPE MODIFICATIONS.
74. PROTECT IN PLACE EXISTING MEXICAN FAN PALM. COORDINATE WITH OWNER FOR ANY REQUIRED LANDSCAPE MODIFICATIONS.
75. PROTECT IN PLACE EXISTING PODOCARPUS MACROPHYLLUS. COORDINATE WITH OWNER FOR ANY REQUIRED LANDSCAPE MODIFICATIONS.

City of Ontario
Tree Protection During Construction

1. Existing trees shall be identified and preserved with protective fencing to form a Protected Root Zone (PRZ). This area encircles the tree at the outer most edge of the canopy and protects the roots growing typically within the top 18"-24" of the soil. The PRZ is defined by its "critical root radius." It is more accurate than the dripline for determining the PRZ of trees. To calculate critical root radius, measure the tree's diameter (dbh) 4.5 feet above the ground, measured in inches. For each inch, allow for 1 to 1.5 feet of critical root radius. If a tree's dbh is 10 inches, its critical root radius is 10 to 15 feet.
2. Protective fencing shall be installed prior to any earthwork and until work is complete. Fencing shall be three feet to four feet in height and installed at the outer most edge of the canopy or Protected Root Zone (PRZ). The temporary fencing shall be chain link fencing or other approved durable material. Post "Tree Protection Zone – Keep Out" signs on the PRZ fencing.
3. No construction or staging equipment is allowed within the Protected Root Zone including heavy equipment that will compact and damage the roots.
4. No disposal of construction materials or by products including paint, plaster or chemical solutions is allowed within the Protected Root Zone.
5. Natural or preconstruction grade shall be maintained within the Tree Protection Zone. At no time shall soil be in contact with the tree trunk above the root flare.
6. The Protection Zone should be irrigated sufficiently with clean potable water to keep the tree in good health and vigor before during and after construction. Deep watering may be necessary on a weekly basis. Verify depth of irrigation to roots.
7. Apply a 4"-6" layer of mulch in the PRZ, 1 foot away from the trunk, before construction begins.
8. Any work required to be conducted in the ground within the Protection Zone shall be accomplished with an air spade to make roots visible and use of hand tools.
9. Pruning for clearance, if needed, shall be done to prevent damaging branches with large equipment. All pruning shall be in accordance with industry standards, (International Society of Arboriculture or ANSI A300), under the direction of a Certified Arborist.
10. A Certified Arborist shall be present if more than 33% of the root zone is impacted or roots greater than 2" or within 5' of the trunk will be cut, to ensure tree stability and health. Cuts should be clean and made at right angles to the roots. Cut roots back to a branching lateral.
11. Pruning cuts or damaged bark shall be cut clean to heal. Do not use tree seal or paint.
12. Trenches for piping or utilities shall not be constructed with the tree protection zones but shall be re-routed or bored under trees at a minimum of 36" deep.
13. Protect soil and roots from compaction in landscape areas used for driveways, storage or parking with a layer of geotextile fabric and 6" of crushed gravel.
14. Trees damaged or destroyed during demolition or construction shall be replaced per the Development Code Tree Preservation Policy and Protection Measures.

SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C100.
2. SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
4. CONTRACTOR TO VERIFY IN FIELD THE JOINING TO EXISTING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. CALL 811 AND REQUEST MEET AND MARK PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO REVIEW THE EXISTING IRRIGATION SYSTEM AND MAKE REPAIRS OR REPLACEMENTS FOR A WELL-FUNCTIONING SYSTEM WITH NO OVERSPRAY OR RUNOFF.
7. REPLACE OR UPGRADE THE EXISTING IRRIGATION CONTROLLER TO INCLUDE A WEATHER-BASED SENSOR OR MOISTURE SENSOR FROM THE SAME MANUFACTURER.
8. NO GRADING SHALL OCCUR WITHIN THE TREE PROTECTION ZONE (1' PER 1" OF TRUNK DIAMETER).

REMOVAL LEGEND:

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS.
- LIMIT OF REMOVAL

Landscape: Approved
09/25/2025 5:52:22 PM

SITE DEMOLITION PLAN

10 5 0 10 20

SCALE: 1"=10'

HOLT ARCHITECTURE
36951 COOK ST. STE 103
PALM DESERT, CA 92211
PH: 760.328.5280
2300 MARKET ST. STE 140
RIVERSIDE, CA 92501
PH: 951.462.1451
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STAMPS:

REGISTERED PROFESSIONAL ENGINEER — No. C36079 — Exp. 6/30/26 — CIVIL — STATE OF CALIFORNIA

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
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ONTARIO — City of Ontario | Building Department — APPROVED & REVIEWED FOR CODE COMPLIANCE — The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances. Date: 09/29/2025 4:09:56 PM

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 COMMENTS
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
SITE DEMOLITION PLAN

SHEET NO.:
CD100

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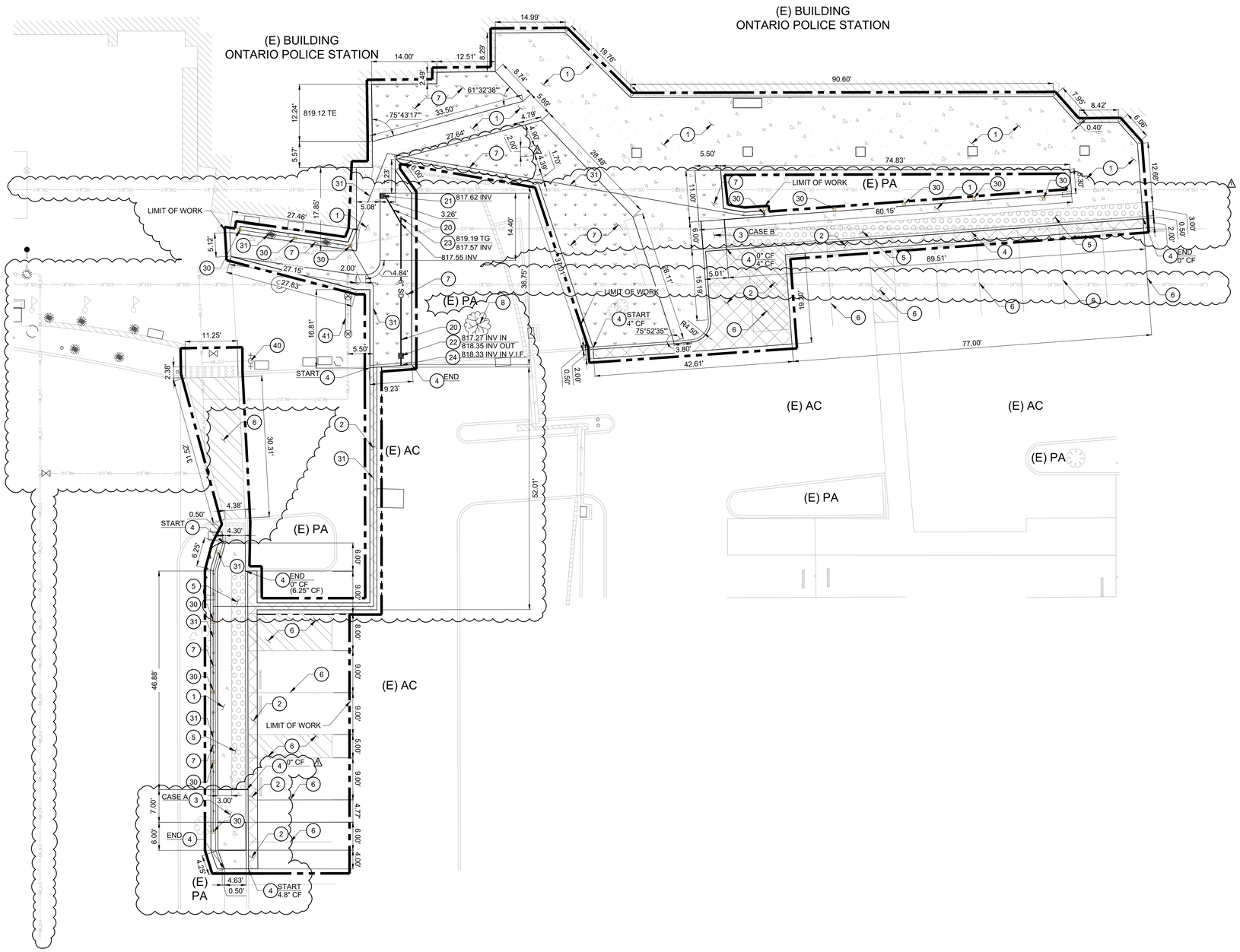

CONSTRUCTION NOTES:

1. CONSTRUCT 4" THICK CONCRETE PAVEMENT OVER 4" THICK AGGREGATE BASE PER DETAIL 1 ON SHEET C400.
2. CONSTRUCT 3" THICK AC PAVEMENT OVER 4" THICK CRUSHED AGGREGATE BASE PER DETAIL 2 ON SHEET C400.
3. CONSTRUCT NEW CONCRETE CURB RAMP PER DETAIL 6 ON SHEET C400.
4. CONSTRUCT NEW CONCRETE CURB PER DETAIL 3 ON SHEET C400.
5. INSTALL NEW TRUNCATED DOME PER DETAIL 7 ON SHEET C400.
6. INSTALL NEW STRIPING PER ARCHITECTURAL DRAWINGS.
7. ADJUST EXISTING DIRT TO NEW GRADES.
8. INSTALL NEW TREE PER ARCHITECTURAL DRAWINGS.

STORM DRAIN:

20. INSTALL NEW 6" HDPE PIPE PER DETAIL 1 ON SHEET C401. SEE PLAN FOR SIZES.
21. INSTALL NEW 12"X12" CATCH BASIN PER DETAIL 2 ON SHEET C401.
22. INSTALL NEW 24"X24" BUBBLER CATCH BASIN PER DETAIL 3 ON SHEET C401.
23. INSTALL NEW STORM DRAIN CLEANOUT PER DETAIL 4 ON SHEET C401.
24. INSTALL NEW 3"X12" CURB-O-LET PARKWAY DRAIN PER DETAIL 5 ON SHEET C401.

ELECTRICAL:

30. INSTALL NEW LIGHT BOLLARD AND FOOTING PER ELECTRICAL DRAWINGS.
31. INSTALL NEW CONDUIT PER ELECTRICAL DRAWINGS AND PER DETAILS 1 ON SHEET C401.

FIRE WATER:

40. EXISTING FIRE HYDRANT.
41. EXISTING DCDA BACKFLOW PREVENTER.

LEGEND:

- CONSTRUCT 4" THICK CONCRETE PAVEMENT OVER 4" THICK AGGREGATE BASE PER DETAIL 1 ON SHEET C400.
- CONSTRUCT 3" THICK AC PAVEMENT OVER 4" THICK CRUSHED AGGREGATE BASE PER DETAIL 2 ON SHEET C400.
- INSTALL NEW TRUNCATED DOME PER DETAIL 7 ON SHEET C400.
- INSTALL NEW STRIPING PER ARCHITECTURAL DRAWINGS.
- ADJUST EXISTING DIRT TO NEW GRADES.
- LIMIT OF WORK
- PATH OF TRAVEL

SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS, SEE SHEET C100.
2. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR HAS THE OPTION TO PERFORM HORIZONTAL DRILL BORING FOR NEW CONDUIT AS AN ALTERNATE OPTION IN LIEU OF TRENCHING.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. CALL 811 AND REQUEST MEET AND MARK PRIOR TO CONSTRUCTION.
5. CONTRACTOR TO REVIEW THE EXISTING IRRIGATION SYSTEM AND MAKE REPAIRS OR REPLACEMENTS FOR A WELL-FUNCTIONING SYSTEM WITH NO OVERSPRAY OR RUNOFF.
6. REPLACE OR UPGRADE THE EXISTING IRRIGATION CONTROLLER TO INCLUDE A WEATHER-BASED SENSOR OR MOISTURE SENSOR FROM THE SAME MANUFACTURER.
7. NO GRADING SHALL OCCUR WITHIN THE TREE PROTECTION ZONE (1' PER 1" OF TRUNK DIAMETER).

SITE CONTROL AND UTILITY PLAN

10 5 0 10 20

SCALE: 1"=10'

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WWW.HOLTARCHITECTURE.COM

CONSULTANT:
VCA ENGINEERS INC
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631 S. Atlantic Blvd, Monterey Park, CA 91754
Tel. 323.729.6098
Fax. 323.729.6043

STAMPS:

REGISTERED PROFESSIONAL ENGINEER — No. C36079 — Exp. 6/30/26 — CIVIL — STATE OF CALIFORNIA

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & RELEASED FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:09:57 PM

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 COMMENTS
	09/17/25	PC RD 2 SUBMITTAL

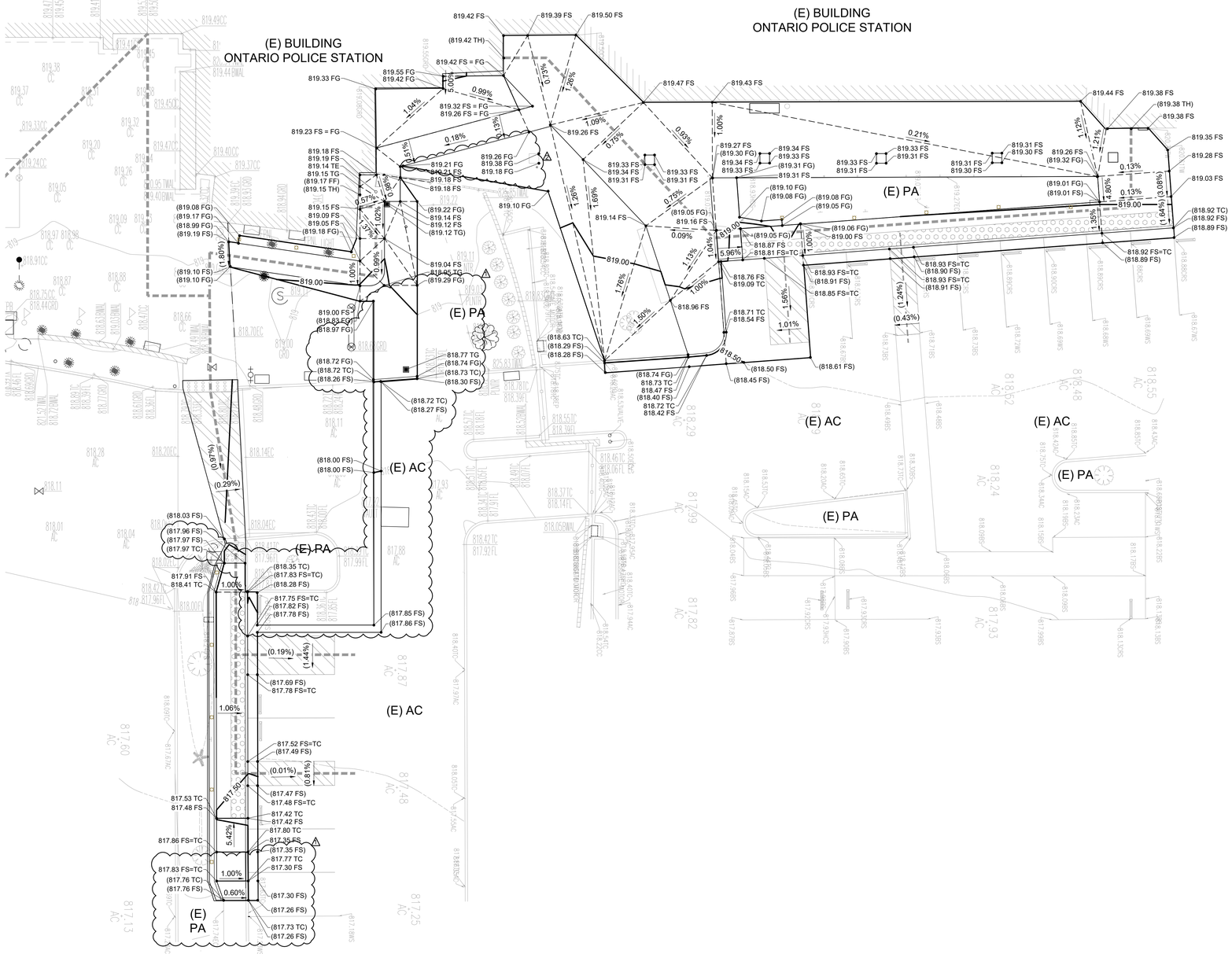
PROJECT NO.: ONT.010

SHEET TITLE:

SITE CONTROL AND UTILITY PLAN

SHEET NO.:

C200



ESTIMATED EARTHWORK QUANTITY

ESTIMATED CUT =	8	CY
ESTIMATED FILL =	8	CY
ESTIMATED IMPORT =	0	CY (CUT)

NOTES:

1. THE ESTIMATED QUANTITIES PROVIDED ABOVE ARE FOR REFERENCE ONLY TO BE USED FOR JURISDICTIONAL PLAN CHECKING AND PERMITTING PURPOSES ONLY.
2. ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN FINISH GRADES TO EXISTING GRADES IN SURVEY. THE ESTIMATED EARTHWORK DOES NOT CONSIDER THE THICKNESS OF EACH PAVEMENT MATERIAL, FOUNDATION AND SLAB ON GRADE VOLUMES, THE REMOVAL OF ANY UNSUITABLE MATERIAL, AND THE REMOVAL OF EXISTING BASEMENTS, PITS, VAULTS, TOP SOIL OR VEGETATION.
3. THE ESTIMATED EARTHWORK QUANTITIES DO NOT INCLUDE SHRINKAGE FACTORS DUE TO COMPACTION OR ANY OVER EXCAVATION QUANTITIES.
4. THE CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES NECESSARY FOR HIS BID AND WORK. THE ENGINEER IS NOT RESPONSIBLE AND LIABLE FOR THE CONTRACTOR'S EARTHWORK CALCULATIONS.
5. ESTIMATED EARTHWORK QUANTITIES ABOVE ASSUME THAT ALL ON-SITE MATERIALS ARE SUITABLE FOR BACKFILLING. HOWEVER, ACTUAL EXISTING ON-SITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION, REMOVAL, OR REPLACEMENT.
6. THE ESTIMATED QUANTITIES WERE CALCULATED AND LIMITED ON ON-SITE AREA ONLY.
7. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT ALL OTHER REQUIREMENTS THAT MAY BE REQUIRED IN ORDER TO CALCULATE THE CUT AND FILL QUANTITIES.

SHEET NOTE:

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEET C-1.0.
2. FOR CATCH BASIN LOCATIONS AND GRATE ELEVATIONS AND INVERTS SEE UTILITY PLAN. IF TOP OF GRATE ELEVATIONS ARE DIFFERENT FROM GRADING CATCH BASIN ELEVATIONS SHOWN ON THIS SHEET, NOTIFY CPM AND ENGINEER.
3. NO GRADING SHALL OCCUR WITHIN THE TREE PROTECTION ZONE (1' PER 1" OF TRUNK DIAMETER).

SITE GRADING PLAN

10 5 0 10 20

SCALE: 1"=10'

HOLT ARCHITECTURE
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CIVIL
STATE OF CALIFORNIA

MEDIA ROOM

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MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 COMMENTS
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

SITE GRADING PLAN

SHEET NO.:

C300

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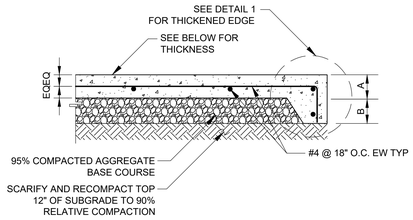
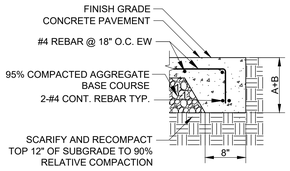
LOCATION	CONCRETE PAVEMENT THICKNESS "A"	CRUSHED AGGREGATE BASE THICKNESS "B"
NON-TRAFFIC	4"	4"





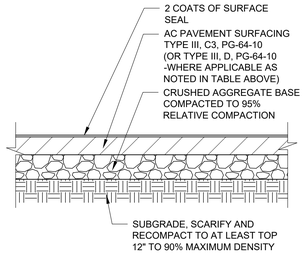
DETAIL 1

NOTES:

1. FOR CONSTRUCTION JOINTS, EXPANSION JOINTS, PAVEMENT TRANSITION, AND FINISH SURFACE REQUIREMENTS, REFER TO DETAIL 4 & 5 ON THIS SHEET.
2. CONCRETE, F'C=3000 PSI @ 28 DAYS. REBARS, FY=60,000 PSI ASTM A615.
3. SEE LANDSCAPE AND ARCHITECTURAL DRAWINGS FOR FINISH.
4. FOR CONCRETE JOINTING AND PATTERN REFER LANDSCAPE DRAWINGS.
5. SPACING BETWEEN CONTRACTION JOINTS IN CONCRETE PAVEMENTS SHALL NOT EXCEED 15 FEET IN BOTH LONGITUDINAL AND TRANSVERSE DIRECTIONS.

1 CONCRETE PAVEMENT DETAIL
NOT TO SCALE

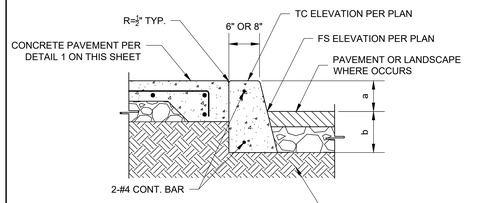
LOCATION	AC		BASE COURSE		
	THICKNESS "A"	MIX	THICKNESS "B" NEW UNPAVED SITE	TYPE	GRADE
PARKING LOT	3"	TYPE III, C3, PG-64-10"	4"	CAB	FINE



NOTE:

1. FOR PAVEMENT TRANSITIONAL AND JOINT DETAILS REFER TO DETAIL 4 AND 5 ON THIS SHEET.

2 AC PAVEMENT SECTION
NOT TO SCALE

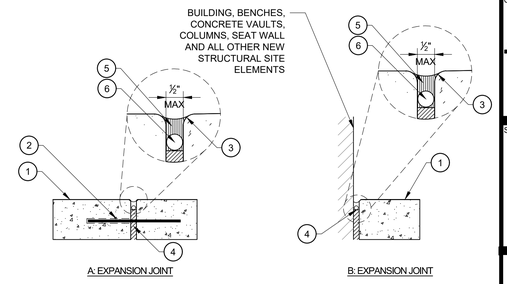


a	b	c
6"	8"	9-1/2"
12"	12"	12"
18"	12"	13-1/2"

NOTES:

1. PROVIDE 1/4" SELF SEALING EXPANSION JOINT WITH PREFORMED JOINT FILLER AT ALL ANGLE POINTS AND THE BEGINNING AND END OF ALL CURVES.
2. PROVIDE CONTRACTION JOINTS CONSISTING OF ONE INCH DEEP CUT SCORES AT 20' O.C. MAX UNLESS OTHERWISE NOTED BY SIDEWALK OR PAVEMENT JOINT PATTERN.
3. WHERE A WALK IS ADJACENT TO THE CURB, ALL JOINTS IN THE CURB SHALL LINE WITH ALL JOINTS IN THE WALK.
4. CONCRETE, F'C=3,000 PSI @ 28 DAYS PER SSPWC.

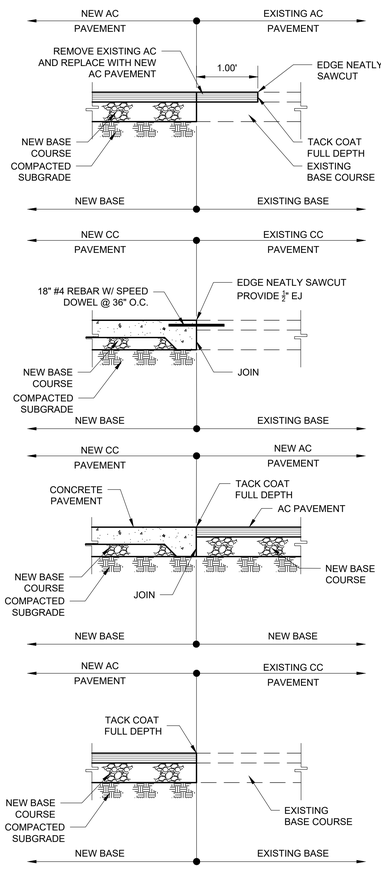
3 CONCRETE CURB DETAIL
NOT TO SCALE



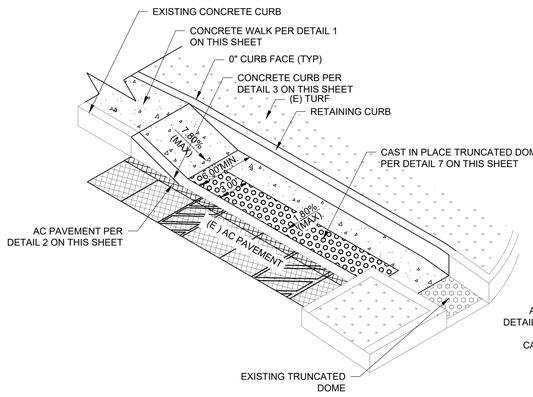
NOTES:

1. PAVING FINISH SURFACE.
2. 18" SMOOTH W/ SPEED DOWEL @ 18" OC, CENTER IN CONC. AT EXPANSION JOINTS.
3. 1/4" R. @ EDGES. TYP.
4. PREMOLDED E.J. FILLER.
5. JOINT SEALANT. COLOR TO BE SELECTED BY ARCHITECT. SUBMIT COLOR SAMPLES PRIOR TO INSTALLATION.
6. BACKER ROD.
7. EXPANSION JOINTS 20' O.C MAX.
8. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF CONTROL JOINT AND EXPANSION JOINT LAYOUT.

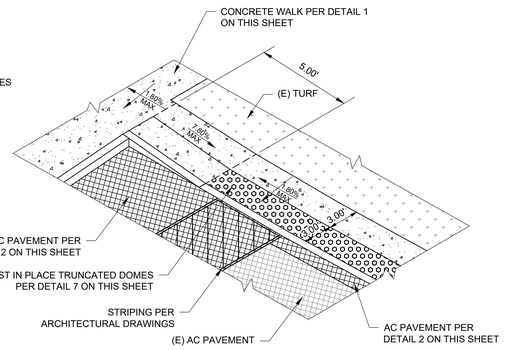
4 JOINT DETAIL
NOT TO SCALE



5 PAVEMENT TRANSITION DETAIL
NOT TO SCALE



CASE A

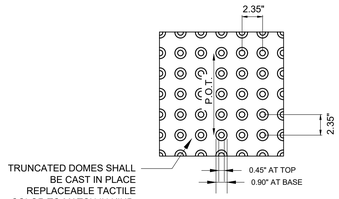


CASE B

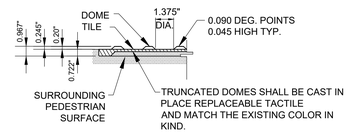
NOTES:

1. ALL RAMPS SHALL CONFORM TO CBC 2022 CHAPTER 11B STANDARDS.
2. SLOPES SHOWN HERE ARE MAXIMUM VALUES PER CBC 2022 CHAPTER 11B STANDARDS. REFER TO GRADING PLANS FOR ACTUAL DESIGNED SLOPES FOR CURB RAMPS

6 CURB RAMP DETAIL
NOT TO SCALE



PLAN



TYP. SECTION

NOTE:

1. DETECTABLE WARNING SURFACES SHALL MATCH THE EXISTING COLOR IN KIND AND APPROXIMATE FS 33538 OF SAE AMS-STD-595A. (CBC 11B-705.1.1.3.1)

7 TRUNCATED DOME DETAIL
NOT TO SCALE

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STAMPS:

REGISTERED PROFESSIONAL ENGINEER — No. C36079 — Exp. 6/30/26 — CIVIL — STATE OF CALIFORNIA

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

City of Ontario | Building Department
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ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

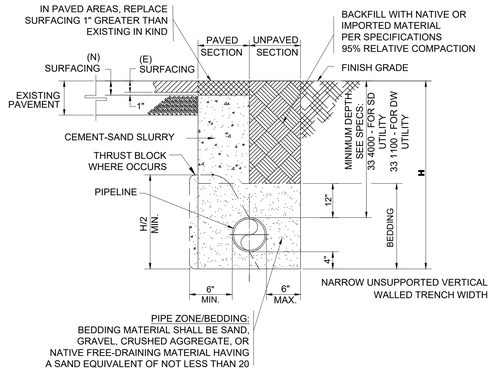
SHEET TITLE:

MISCELLANEOUS DETAILS - SITE DETAILS

SHEET NO.:

C400

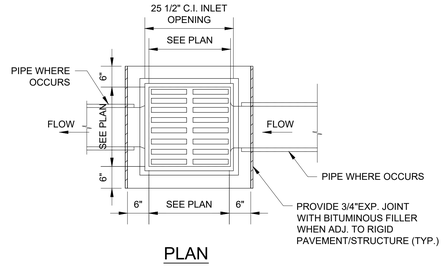
NOMINAL PIPE DIAMETER (INCHES)	NARROW TRENCH WIDTH MIN. (INCHES)
6	18



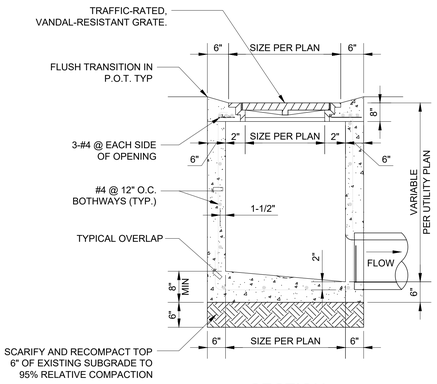
NOTE:

1. PAVEMENT FINISH SURFACE SHALL BE SMOOTH CONTINUATION OF ADJOINING PAVED SURFACE.

1 TRENCH SECTION DETAIL
NOT TO SCALE



PLAN

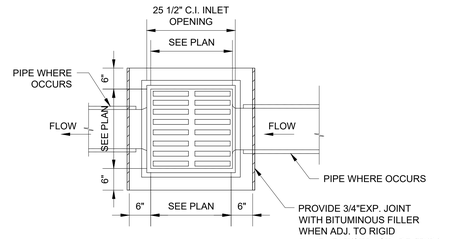


SECTION

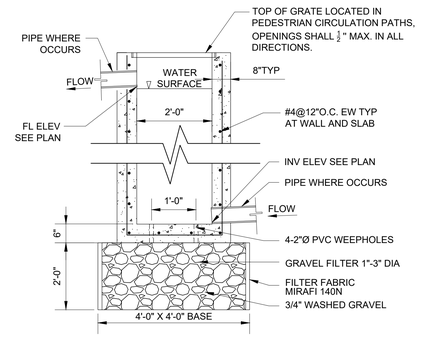
NOTES:

1. USE 3/4" DIA. PIPE BAR SPACERS ASSEMBLED ON (2) 1/2" DIA. RODS WITH THREADS AND NUTS AT BOTH ENDS.
2. ALL METAL PARTS SHALL BE GALVANIZED AFTER FABRICATION AND WELDING, AND BEFORE ASSEMBLING.
3. FRAME AND GRATE SHALL BE SIMILAR TO EISEL ENTERPRISES INC. ALHAMBRA FOUNDRY CO. LTD. SERIES MODEL NO. A-2012 OR BROOKS PRODUCTS, INC. OR APPROVED EQUAL.
4. GRATES SHALL BE OF VANDAL-RESISTANT CONSTRUCTION .
5. FRAME AND GRATE SHALL BE TRAFFIC-RATED.
6. REBAR, FY = 60,000 PSI, ASTM A615, GRADE 60.
7. CONCRETE, F'C = 3,000 PSI @ 28 DAYS PER SSPWC, TYPE II CEMENT.
8. THE CONTRACTOR SHALL BE ABLE TO INSTALL AN APPROVED EQUAL PREFABRICATED CATCH BASIN.

2 CATCH BASIN DETAIL
NOT TO SCALE



PLAN

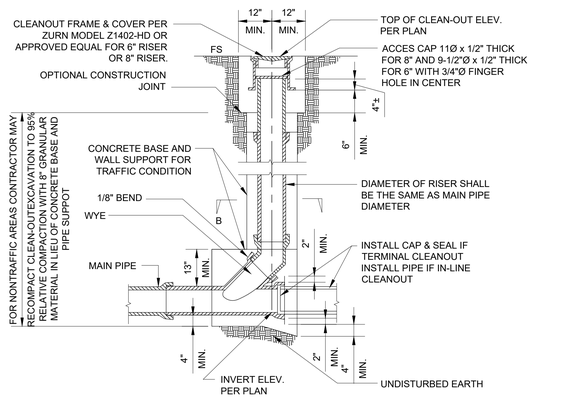


SECTION

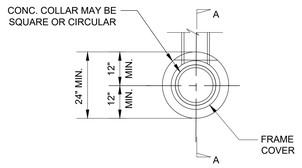
NOTES:

1. THE CONTRACTOR SHALL BE ABLE TO INSTALL AN APPROVED EQUAL PREFABRICATED CATCH BASIN.
2. CONCRETE, F'C=3,000 PSI @ 28 DAYS. REBARS, FY=60,000 PSI ASTM A615.

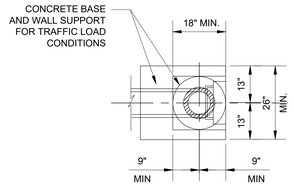
3 BUBBLER CATCH BASIN DETAIL
NOT TO SCALE



SECTION A-A

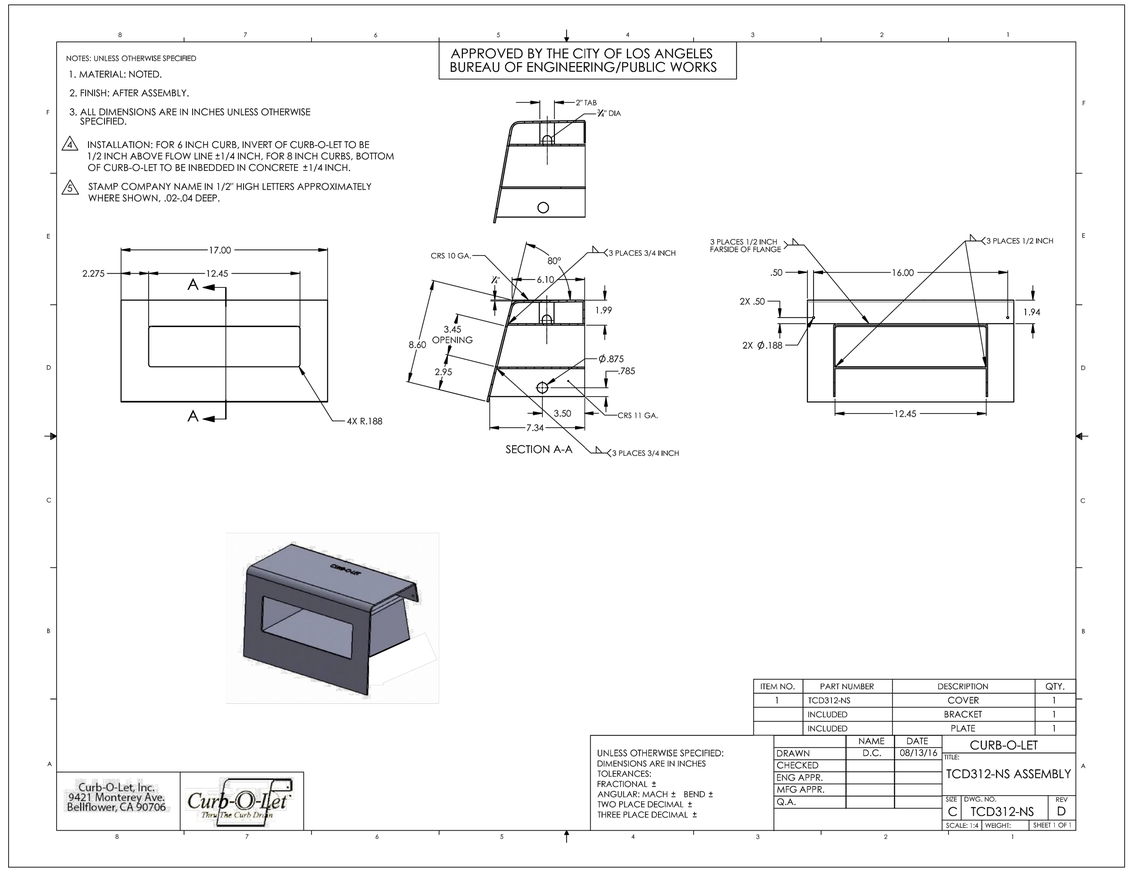


PLAN



SECTION B-B

4 CLEANOUT DETAIL
NOT TO SCALE



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TCD312-NS	COVER	1
	INCLUDED	BRACKET	1
	INCLUDED	PLATE	1

5 CURB-O-LET DETAIL
NOT TO SCALE

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STAMPS:

REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER J. O'CONNOR — No. C36079 — Exp. 6/30/26 CIVIL — STATE OF CALIFORNIA

MEDIA ROOM
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ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
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Date: 09/29/2025 4:09:57 PM

PROJECT:

CLIENT: ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

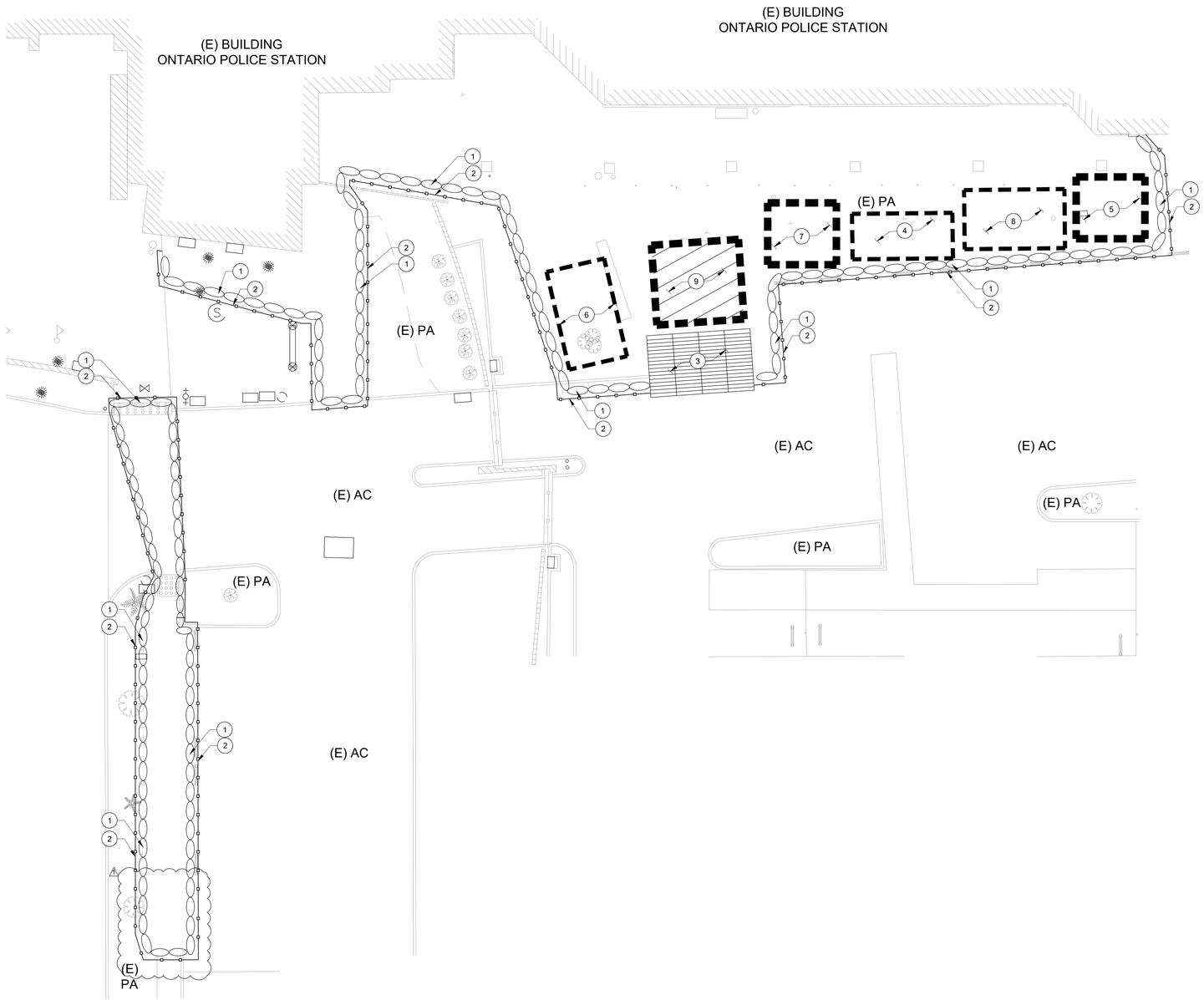
PROJECT NO.: ONT.010

SHEET TITLE:

MISCELLANEOUS DETAILS - STORM DRAIN

SHEET NO.:

C401



CONSTRUCTION NOTES:

1. INSTALL GRAVEL BAGS UNTIL THE COMPLETION OF THE SITE CONSTRUCTION. REFER TO DETAIL 2 ON SHEET C501.
2. SILT FENCE PER DETAIL 8 ON SHEET C501.
3. STABILIZED CONSTRUCTION ENTRANCE/EXIT PER DETAIL 6 ON SHEET C501.
4. PROPOSED AREA FOR EQUIPMENT STAGING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.
5. PROPOSED AREA FOR FUELING/OILING. CONTRACTOR TO VERIFY ACTUAL AREA NEEDED AND COORDINATE WITH THE CPM. REFER TO DETAIL 4 ON SHEET C501.
6. PROPOSED AREA FOR LOADING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.
7. PROPOSED AREA FOR TEMPORARY TOILETS. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.
8. PROPOSED AREA FOR VEHICLE AND EQUIPMENT CLEANING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.
9. TIRE WASH PER DETAIL 7 ON SHEET C501.

LEGEND:

SILT FENCE PER DETAIL 8 ON SHEET C501.

INSTALL GRAVEL BAGS UNTIL THE COMPLETION OF THE SITE CONSTRUCTION. REFER TO DETAIL 2 ON SHEET C501.

SHEET NOTES:

1. LOCATION FOR ANY DESIGNATED STOCKPILES SHALL BE COORDINATED AND DETERMINED BY THE CONTRACTOR ON-SITE. CONTRACTOR SHALL APPLY ALL APPLICABLE BMP'S TO PROTECT THE STOCKPILE AS OUTLINED IN DETAIL 5 ON SHEET C501.
2. INSTALL 2" OF TEMPORARY CAB GRAVEL ON ALL ON-SITE CONSTRUCTION ROADWAYS TO STABILIZED AND CONTROL EROSION.
3. CONTRACTOR SHALL FROM TIME TO TIME MONITOR THE CONSTRUCTION SITE TO CLEAN AND SWEEP MATERIALS TRACKED OFF SITE.
4. ALL BMP'S, SILT FENCES, ETC., SHALL BE MONITORED AND MAINTAINED BY THE NTP1 CONTRACTOR FOR THE ENTIRE DURATION OF THE CONTRACT.
5. CONTRACTOR SHALL MONITOR WASTEWATER DISCHARGE (INCLUDING STORM RUNOFF) TO ENSURE IT MEETS STANDARDS SET BY APPROPRIATE LAWS, CODES, REGULATIONS, ORDINANCES AND PERMITS. PROVIDE A SETTLING BASIN AND OIL SEPARATOR PRIOR TO ITS DISCHARGE TO CITY OR COUNTRY SEWERS. PROVIDE A WATER SAMPLING STATION DOWNSTREAM OF BASIN FOR MONITORING OF WASTE WATER. DISPOSE OF WASTEWATER IN CLOSED CONDUITS SO AS NOT TO DAMAGE PUBLIC OR PRIVATE PROPERTY NOR CREATE A NUISANCE OR HEALTH HAZARD.
6. CONTRACTOR SHALL NOT DISCHARGE POLLUTANTS DOWNSTREAM OF THE SETTLING BASIN/OIL SEPARATOR. THESE POLLUTANTS INCLUDE LUBRICANTS, FUELS, CHEMICALS, AND BITUMENS. CONTROL USE OF LUBRICATING OILS, HYDRAULIC FLUIDS, GREASES, AND OTHER SUCH PRODUCTS. PROMPTLY CLEAN UP AND PROPERLY DISPOSE OF MATERIALS CONTAMINATED BY SPILLAGE OR LEAKAGE OF PRODUCTS.
7. CONTRACTOR SHALL PROTECT ALL EXISTING DRAIN INLETS WITHIN A 500-FT RADIUS FROM THE CENTER OF THE SITE TO PREVENT NON-STORMWATER RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.
8. FOR EROSION CONTROL GENERAL NOTES, AND MISCELLANEOUS REQUIREMENTS, SEE SHEET C501.

SITE EROSION CONTROL PLAN

10 5 0 10 20

SCALE: 1"=10'

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36951 COOK ST. STE 103
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CONSULTANT:
VCA ENGINEERS INC
CIVIL • STRUCTURAL
631 S. Atlantic Blvd, Monterey Park, CA 91754
Tel. 323.729.6098
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STAMPS:

REGISTERED PROFESSIONAL ENGINEER
No. C36079
Exp. 6/30/26
CIVIL
STATE OF CALIFORNIA

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CITY OF ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:09:57 PM

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 COMMENTS
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
SITE EROSION CONTROL PLAN

SHEET NO.:
C500

GENERAL NOTES:

1. IN CASE OF EMERGENCY, CALL: CONTRACTOR NAME _____. PHONE NUMBER:_____.
2. A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
4. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
6. A GUARD SHALL BE POSTED ON SITE WHEREVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
7. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE QSP. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
8. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
9. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES, THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
10. EVERY EFFORT MUST BE MADE TO ELIMINATE THE DISCHARGE OF NONSTORM WATER FROM THE PROJECT SITE AT ALL TIMES.
11. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
12. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
13. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTINGS AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
14. EXCESS OR WASTE CONCRETE MAY NOT BE WASTED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
15. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMP's ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF SELF-INSPECTION CHECKLIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
16. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
18. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
19. AS THE ENGINEER OF RECORD, I HAVE SELECTED APPROPRIATE BMP's TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMP's MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS. THE BMP's NOT SELECTED FOR IMPLEMENTATION ARE REDUNDANT OR DEEMED NOT APPLICABLE TO THE PROPOSED CONSTRUCTION QUALITY."
20. THE FOLLOWING BMP's AS OUTLINED IN, BUT NOT LIMITED TO, THE "CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK" - JANUARY 2003, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE PROJECT ENGINEER OR THE BUILDING OFFICIAL).

_____
BUILDING OFFICIAL SIGNATURE

EROSION CONTROL

EC1 - SCHEDULING
EC2 - PRESERVATION OF EXISTING VEGETATION
EC3 - HYDRAULIC MULCH
EC4 - HYDROSEEDING
EC5 - SOIL BINDERS
EC6 - STRAW MULCH
EC7 - GEOTEXTILES AND MATS
EC8 - WOOD MULCHING
EC9 - EARTH DIKES AND DRAINAGE SWALES
EC10 - VELOCITY DISSIPATION DEVICES
EC11 - SLOPE DRAINS
EC12 - STREAMBANK STABILIZATION
EC13 - RESERVED
EC14 - COMPOST BLANKETS
EC15 - SOIL PREPARATION/ROUGHENING
EC16 - NON-VEGETATED STABILIZATION

EQUIPMENT TRACKING CONTROL

TC1 - STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 - STABILIZED CONSTRUCTION ROADWAY
TC3 - ENTRANCE/OUTLET TIRE WASH

NON-STORMWATER MANAGEMENT

NS1 - WATER CONSERVATION PRACTICES
NS2 - DEWATERING OPERATIONS
NS3 - PAVING AND GRINDING OPERATIONS
NS4 - TEMPORARY STREAM CROSSING
NS5 - CLEARWATER DIVERSION
NS6 - ILLICIT CONNECTION/DISCHARGE
NS7 - POTABLE WATER/IRRIGATION
NS8 - VEHICLE AND EQUIPMENT CLEANING
NS9 - VEHICLE AND EQUIPMENT FUELING
NS10 - VEHICLE AND EQUIPMENT MAINTENANCE

TEMPORARY SEDIMENT CONTROL

SE1 - SILT FENCE
SE2 - SEDIMENT BASIN
SE3 - SEDIMENT TRAP
SE4 - CHECK DAM
SE5 - FIBER ROLLS
SE6 - GRAVEL BAG BERM
SE7 - STREET SWEEPING AND VACUUMING
SE8 - GRAVEL BAG BARRIER
SE9 - STRAW BALE BARRIER
SE10 - STORM DRAIN INLET PROTECTION
SE11 - ACTIVE TREATMENT SYSTEMS
SE12 - TEMPORARY SILT DIKE
SE13 - COMPOST SOCKS & BERMS
SE14 - BIOFILTERS BAGS

WIND EROSION CONTROL

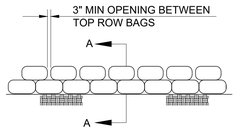
WE1 - WIND EROSION CONTROL

NS11 - PILE DRIVING OPERATIONS
NS12 - CONCRETE CURING
NS13 - CONCRETE FINISHING
NS14 - MATERIAL AND EQUIPMENT USE
NS15 - DEMOLITION ADJACENT TO WATER
NS16 - TEMPORARY BATCH PLANTS

WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

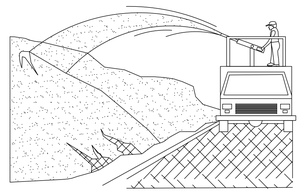
WM1 - MATERIAL DELIVERY AND STORAGE
WM2 - MATERIAL USE
WM3 - STOCKPILE MANAGEMENT
WM4 - SPILL PREVENTION AND CONTROL
WM5 - SOLID WASTE MANAGEMENT
WM6 - HAZARDOUS WASTE MANAGEMENT
WM7 - CONTAMINATION SOIL MANAGEMENT
WM8 - CONCRETE WASTE MANAGEMENT
WM9 - SANITARY/SEPTIC WASTE MANAGEMENT
WM10 - LIQUID WASTE MANAGEMENT

1 GENERAL NOTES



SECTION A-A

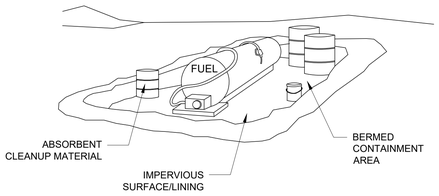
2 GRAVEL BAG DETAIL
NOT TO SCALE



NOTES:

1. SOIL/SLOPE STABILIZATION PRACTICES SHALL BE DESIGNED TO PRESERVE EXISTING VEGETATION WHERE FEASIBLE AND TO REVEGETATE OPEN AREAS AS SOON AS FEASIBLE AFTER GRADING. THESE CONTROL PRACTICES SHALL INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, OR OTHER SOIL STABILIZATION PRACTICES.
2. SOIL STABILIZATION SHALL BE IMPLEMENTED ON ALL INACTIVE DISTURBED AREAS FROM NOVEMBER 1 THRU APRIL 15 AND ON ALL DISTURBED AREAS DURING A RAIN EVENT OR POTENTIAL RAIN.
3. STABILIZATION PRACTICES SHALL CONTROL/PREVENT EROSION FROM THE FORCES OF WIND AND WATER.
4. STABILIZATION PRACTICES SHALL BE IMPLEMENTED IN CONJUNCTION WITH SEDIMENT TRAPPING/FILTERING PRACTICES AND PRACTICES TO REDUCE THE TRACKING OF SEDIMENT ONTO PAVED ROADS.
5. WHEN USING STRAW MULCHING, THE MINIMUM APPLICATION SHALL BE 2 TONS/ACRE. MULCH MUST BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER.
6. WHEN USING HYDROSEEDING/MULCHING, THE MINIMUM APPLICATION OF WOOD FIBER SHALL BE 1,500 LBS/ACRE,THAT DOES NOT CONTAIN MORE THAN 50 PERCENT NEWSPRINT.
7. FOR SEEDING RECOMMENDATIONS, USDA, NATURAL RESOURCES CONSERVATION SERVICE.

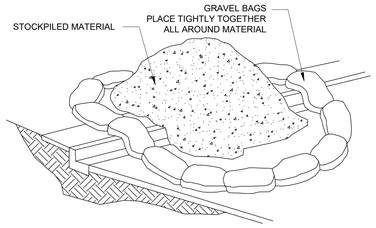
3 EROSION CONTROL
NOT TO SCALE



NOTE:

1. FUELING SHALL BE PERFORMED IN A DESIGNATED AREA, AWAY FROM COURSES. ABSORBENT CLEANUP MATERIAL SHALL BE ON SITE AND USED IMMEDIATELY IN THE EVENT OF A SPILL.

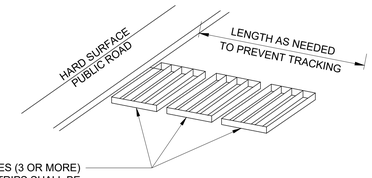
4 VEHICLE / EQUIPMENT FUELING
NOT TO SCALE



NOTES:

1. DIRT AND OTHER CONSTRUCTION RELATED MATERIALS PLACED IN THE STREET OR ON OTHER IMPERVIOUS SURFACES MUST BE CONTAINED WITH SANDBAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORMDRAIN SYSTEM.
2. ANY CONSTRUCTION MATERIAL STORED OR STOCKPILED ON-SITE SHALL BE PROTECTED FROM BEING TRANSPORTED BY THE FORCE OF WIND OR WATER.

5 MATERIAL STORAGE
NOT TO SCALE



A SERIES OF STEEL PLATES (3 OR MORE) WITH RUMBLE STRIPS SHALL BE INSTALLED ON EXISTING ASPHALT OR CONCRETE PAVEMENT

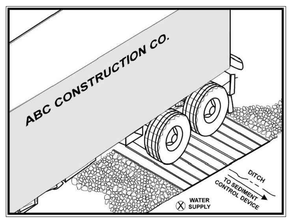
NOTES:

1. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE:
   A. LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE RD OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.
   B. A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 4" COARSE AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATELY PREVENT ANY TRACKING ONTO PAVED SURFACES.
3. ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.

STREET MAINTENANCE

1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

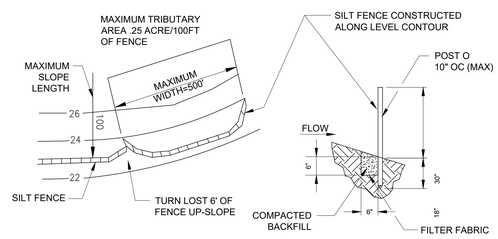
6 STABILIZED CONSTRUCTION ENTRANCE / EXIT
NOT TO SCALE



NOTES:

1. THE TIRE WASH REQUIRES A SUPPLY OF WASH WATER.
2. A TURNOUT OR DOUBLEWIDE EXIT IS REQUIRED TO AVOID HAVING ENTERING VEHICLES DRIVE THROUGH THE WASH AREA.
3. DO NOT USE WHERE WET TIRE TRUCKS LEAVING THE SITE LEAVE THE ROAD DANGEROUSLY SLICK.
4. INCORPORATE WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT.
5. CONSTRUCT ON LEVEL GROUND WHEN POSSIBLE, ON A PAD OF COARSE AGGREGATE GREATER THAN 3 IN. BUT SMALLER THAN 6 IN. A GEOTEXTILE FABRIC SHOULD BE PLACED BELOW THE AGGREGATE.
6. WASH RACK SHOULD BE DESIGNED AND CONSTRUCTED/MANUFACTURED FOR ANTICIPATED TRAFFIC LOADS.

7 ENTRANCE/OUTLET TIRE WASH
NOT TO SCALE



NOTES:

1. CONSTRUCT THE SILT FENCE ALONG A LEVEL CONTOUR.
2. SILT FENCES SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
3. PROVIDE SUFFICIENT ROOM FOR RUNOFF TO POND BEHIND THE FENCE AND ALLOW SEDIMENT REMOVAL EQUIPMENT TO PASS BETWEEN THE SILT FENCE AND TOE OF SLOPE OR OTHER OBSTRUCTIONS. ABOUT 1200 SQ. FT. OF PONDING AREA SHALL BE PROVIDED FOR EVERY ACRE DRAINING TO THE FENCE.
4. TURN THE ENDS OF THE FILTER FENCE UPHILL TO PREVENT STORMWATER FROM FLOWING AROUND THE FENCE.
5. LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWNSLOPE FROM THE FENCE.
6. DO NOT PLACE IN LIVE STREAM OR INTERMITTENTLY FLOWING CHANNELS.
7. WHEN STANDARD FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG. TIE WIRES OR HOG RINGS.

8 SILT FENCE DETAIL
NOT TO SCALE

OWNER STATEMENT OF UNDERSTANDING:

AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, I HAVE READ AND UNDERSTAND THE REQUIREMENTS TO CONTROL STORM WATER POLLUTION FROM SEDIMENTS, EROSION, AND CONSTRUCTION MATERIALS, AND I CERTIFY THAT I WILL COMPLY WITH THESE REQUIREMENTS. I, OR MY REPRESENTATIVE, CONTRACTOR, DEVELOPER, OR ENGINEER, WILL MAKE CERTAIN THAT ALL BMP SHOWN ON THIS PLAN WILL BE FULLY IMPLEMENTED, AND ALL EROSION CONTROL DEVICES WILL BE KEPT CLEAN AND FUNCTIONING. PERIODIC INSPECTIONS OF THE BMPs WILL BE CONDUCTED AND A CURRENT LOG, SPECIFYING THE EXACT NATURE OF THE INSPECTION AND ANY REMEDIAL MEASURES, WILL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES AND WILL BE AVAILABLE FOR THE REVIEW BY THE BUILDING OFFICIAL.

AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, "I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE LOCAL SWPPP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/OR ADEQUATELY IMPLEMENT THE LOCAL SWPPP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS OR OTHER SANCTIONS PROVIDED BY THE LAW."

_____
OWNER OR AUTHORIZED REPRESENTATIVE (PERMITEE)
DATE _____

9 STATEMENT OF UNDERSTANDING

HOLT ARCHITECTURE
36951 COOK ST. STE 103, PALM DESERT, CA 92211, PH: 760.328.5280
2300 MARKET ST. STE 140, RIVERSIDE, CA 92501, PH: 951.462.1451
WWW.HOLTARCHITECTURE.COM

CONSULTANT:
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631 S. Atlantic Blvd, Monterey Park, CA 91754
Tel. 323.729.6098
Fax. 323.729.6043

STAMPS:

REGISTERED PROFESSIONAL ENGINEER — No. C36079 — Exp. 6/30/26 — CIVIL — STATE OF CALIFORNIA

MEDIA ROOM
2500 S ARCHIBALD AVENUE, ONTARIO, CA 91761

PROJECT:
ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:09:57 PM

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
EROSION CONTROL DETAILS

SHEET NO.:
C501

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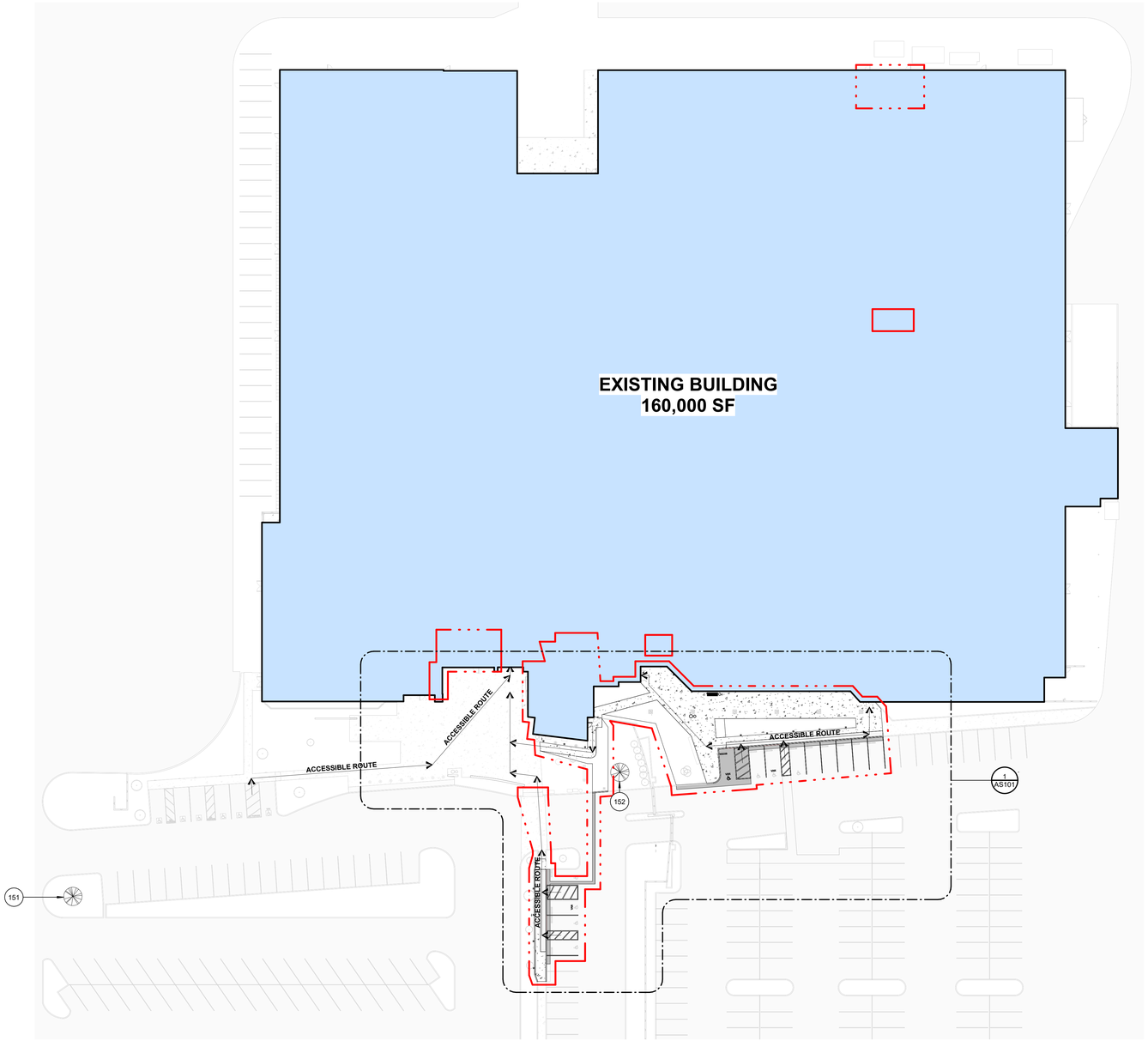


1 SITE PLAN - OVERALL
1" = 30'-0"

SITE PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		LIMIT OF WORK	
		ADA PATH OF TRAVEL	
		(E) CONCRETE PAVING TO REMAIN	PROTECT IN PLACE
		(E) ASPHALT PAVING TO REMAIN	PROTECT IN PLACE
	PAVE-CONC	(N) CONCRETE PAVING	REFER TO SITE MATERIAL SCHEDULE AS600
	PAVE-ASPH	(N) ASPHALT PAVING	REFER TO SITE MATERIAL SCHEDULE AS600

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		(E) TREE TO REMAIN	PROTECT IN PLACE

GENERAL NOTES

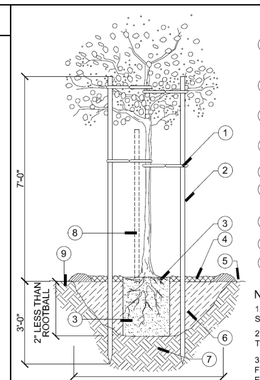
1. REFER TO ANNOTATION TAG DESCRIPTIONS SHEET **G003** FOR ADDITIONAL TAG INFORMATION.
2. REFER TO AREA OF WORK SITE PLAN ON SHEET **AS101** FOR ADDITIONAL INFORMATION.
3. REFER TO CIVIL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION INCLUDING PAVING TYPE AND SECTION.
4. REFER TO SITE MATERIAL SCHEDULE FOR ADDITIONAL PAVING FINISH INFORMATION.
5. EXISTING IRRIGATION SYSTEM SHALL BE PROTECTED IN PLACE; INCLUDE REDESIGNING / ADJUSTING TO ELIMINATE / AVOID OVERSPRAY ONTO THE WALKWAY PER BID ALLOWANCE. COORDINATE WITH OWNER FOR ADDITIONAL LANDSCAPE IMPROVEMENTS AND REQUIREMENTS.
6. EXISTING SITE UTILITIES SHALL BE PROTECTED IN PLACE.
7. EXISTING FIRE LANE CURBS SHALL BE PROTECTED IN PLACE.
8. PROVIDE CONTROL AND EXPANSION JOINT LAYOUT AT NEW HARDSCAPING AREAS FOR AOR & CIVIL ENGINEER REVIEW/APPROVAL.

KEY NOTES

151 36" BOX Lophostemon confertus PER CITY OF ONTARIO TREE PLANTING STANDARDS, COORDINATE WITH OWNER FOR FINAL LOCATION & IRRIGATION REQUIREMENTS

152 48" BOX Lophostemon confertus PER CITY OF ONTARIO TREE PLANTING STANDARDS, COORDINATE WITH OWNER FOR FINAL LOCATION & IRRIGATION REQUIREMENTS

CITY OF ONTARIO SOUTHERN CALIFORNIA
Landscape: Approved
09/25/2025 6:01:58 PM



TREE PLANTING

1. FLEXIBLE TREE TIES (MIN. 4 REQUIRED) SECURE TO POLE W/ GALVANIZED NAIL. PLACE TOP TIE IN CANOPY PROTECT BRANCHES FROM DAMAGE.
2. 2" DIA. X 10' MIN. TREATED LODGEPOLE PINE STAKE (3" DIA. OR 3 GALVANIZED STAKES FOR 36" BOX TREES OR GREATER)
3. ROOTBALL - 2" ABOVE FINISHED GRADE, TOP ROOT FLARE SHALL BE VISIBLE
4. 2" OF SHREDDED BARK MULCH, 4' DIA. KEEP MULCH 12" CLEAR OF TRUNK. NO LAWN OR SHRUBS IN 4' DIA. ZONE
5. TEMPORARY 3" WATERING BASIN
6. BACKFILL MIX: 100% NATIVE SOIL UNLESS THE AGRONOMICAL SOIL REPORT DIRECTS AMENDMENTS
7. UNDISTURBED NATIVE SOIL, FOOT TAMP ANY OVER EXCAVATION.
8. REMOVE NURSERY STAKE IMMEDIATELY AFTER PLANTING
9. FINISH GRADE

NOTES:

1. STAKES SHALL NOT PIERCE ROOTBALL & SHALL EXTEND INTO UNDISTURBED SOIL.
2. PLACE FLEXIBLE TREE TIES ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
3. ALL EXCESS SOIL SHALL BE REMOVED FROM THE TOP OF THE ROOT BALL EXPOSING THE ROOT FLARE
4. ROOT PRUNE 1/2" OFF ALL SIDES OF ROOT BALL WITH A SHARP KNIFE.

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REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
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FOR CODE COMPLIANCE
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CLIENT:
ONTARIO POLICE DEPARTMENT

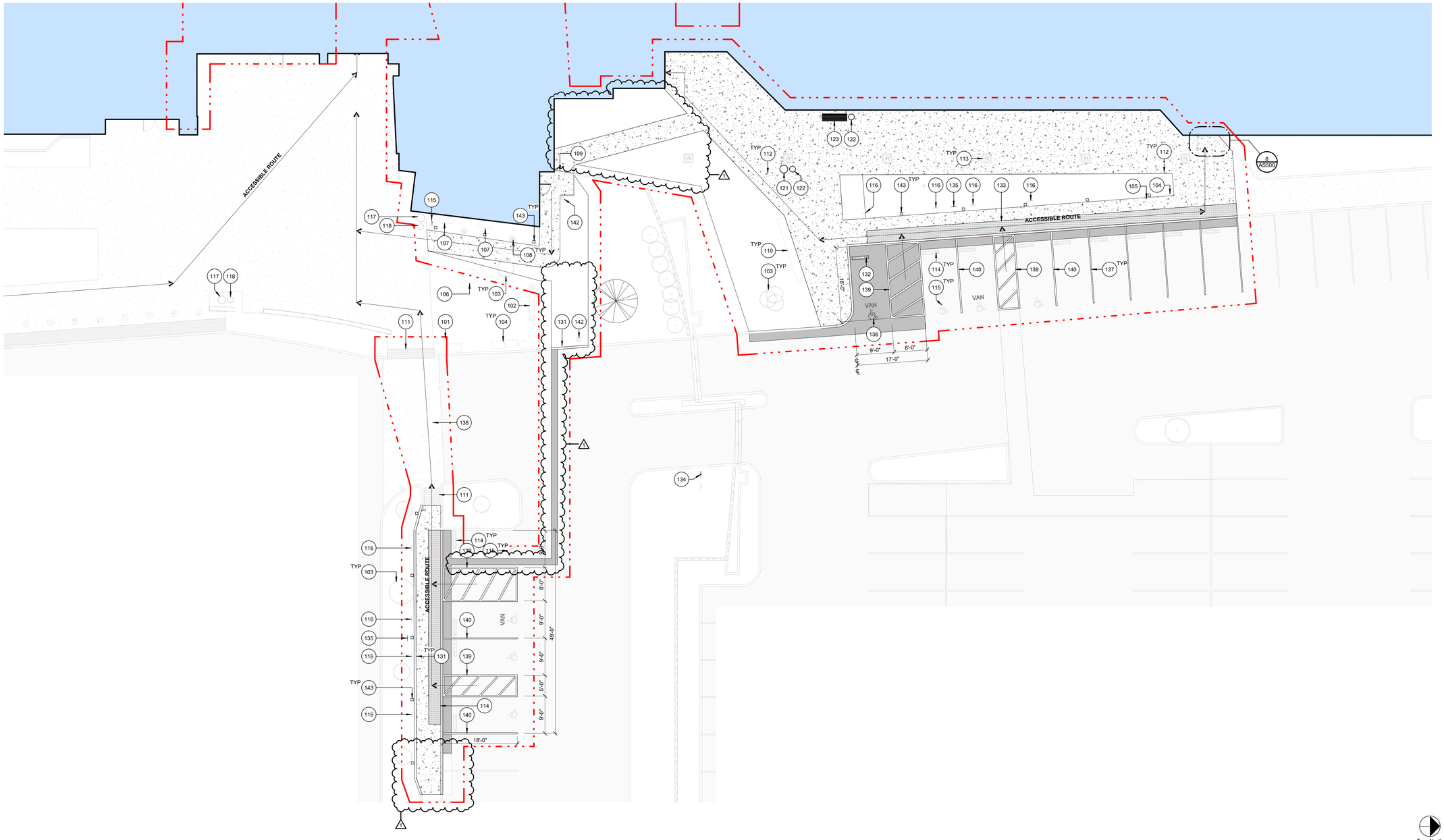
CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
PARTIAL SITE PLAN

SHEET NO.:
AS100



1 SITE PLAN - AREA OF WORK
1" = 10'-0"

True North

SITE PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		LIMIT OF WORK	
		ADA PATH OF TRAVEL	
		(E) CONCRETE PAVING TO REMAIN	PROTECT IN PLACE
		(E) ASPHALT PAVING TO REMAIN	PROTECT IN PLACE
	PAVE-CONC	(N) CONCRETE PAVING	REFER TO SITE MATERIAL SCHEDULE AS600
	PAVE-ASPH	(N) ASPHALT PAVING	REFER TO SITE MATERIAL SCHEDULE AS600

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		(E) TREE TO REMAIN	PROTECT IN PLACE

GENERAL NOTES

1. REFER TO ANNOTATION TAG DESCRIPTIONS SHEET **G003** FOR ADDITIONAL TAG INFORMATION.
2. REFER TO PARTIAL SITE PLAN ON SHEET **AS100** FOR ADDITIONAL INFORMATION.
3. REFER TO CIVIL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION INCLUDING PAVING TYPE AND SECTION.
4. REFER TO SITE MATERIAL SCHEDULE FOR ADDITIONAL PAVING FINISH INFORMATION.
5. EXISTING IRRIGATION SYSTEM SHALL BE PROTECTED IN PLACE; INCLUDE REDESIGNING / ADJUSTING TO ELIMINATE / AVOID OVERSPRAY ONTO WALKWAYS PER BID ALLOWANCE. COORDINATE WITH OWNER FOR ADDITIONAL LANDSCAPE IMPROVEMENTS AND REQUIREMENTS.
6. EXISTING SITE UTILITIES SHALL BE PROTECTED IN PLACE.
7. EXISTING FIRE LANE CURBS SHALL BE PROTECTED IN PLACE.
8. PROVIDE CONTROL AND EXPANSION JOINT LAYOUT AT NEW HARDSCAPING AREAS FOR AOR & CIVIL ENGINEER REVIEW/APPROVAL.

KEY NOTES

101 EXISTING FIRE HYDRANT TO REMAIN, PROTECT IN PLACE
102 EXISTING DCDA AND FDC TO REMAIN, PROTECT IN PLACE
103 EXISTING TREE TO REMAIN, PROTECT IN PLACE
104 EXISTING IRRIGATION VAULT TO REMAIN, PROTECT IN PLACE
105 EXISTING IRRIGATION VALVE TO REMAIN, PROTECT IN PLACE
106 EXISTING SEWER MANHOLE TO REMAIN, PROTECT IN PLACE
107 EXISTING ELECTRICAL PANEL TO REMAIN, PROTECT IN PLACE
108 EXISTING LIGHT FIXTURE TO REMAIN, PROTECT IN PLACE
109 EXISTING GATE / FENCE TO REMAIN, PROTECT IN PLACE
110 EXISTING CONCRETE BENCH TO REMAIN, PROTECT IN PLACE
111 EXISTING TRUNCATED DOMES TO REMAIN, PROTECT IN PLACE
112 EXISTING BOLLARD TO REMAIN, PROTECT IN PLACE
113 EXISTING COLUMN TO REMAIN, PROTECT IN PLACE
114 EXISTING WHEEL STOP TO REMAIN, PROTECT IN PLACE
115 EXISTING ACCESSIBLE PARKING SYMBOL TO REMAIN, PROTECT IN PLACE
116 EXISTING ACCESSIBLE PARKING SIGN TO REMAIN, PROTECT IN PLACE
117 EXISTING TRASH CAN TO REMAIN, PROTECT IN PLACE
118 EXISTING ASH-TRAY TO REMAIN, PROTECT IN PLACE
121 RE-INSTALLED EXISTING TRASH CAN, COORDINATE FINAL LOCATION WITH OWNER
122 RE-INSTALLED EXISTING ASH-TRAY, COORDINATE FINAL LOCATION WITH OWNER
123 RE-INSTALLED EXISTING BENCH, COORDINATE WITH OWNER FOR FINAL PLACEMENT
131 CONCRETE CURB, REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
132 CONCRETE WHEEL STOP, REFER TO 7/AS500 FOR ADDITIONAL INFORMATION
133 TRUNCATED DOMES, REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
134 SITE ENTRY SIGN, REFER TO 3/AS500 FOR ADDITIONAL INFORMATION
135 ACCESSIBLE ROUTE SIGN, REFER TO 4/AS500 FOR ADDITIONAL INFORMATION
136 ACCESSIBLE PARKING SYMBOL, REFER TO 2/AS500 FOR ADDITIONAL INFORMATION
137 4" WIDE WHITE PAINTED STRIPING
138 4" WIDE WHITE DIAGONAL PAINTED STRIPING @ 36" OC W/ 4" WIDE WHITE PAINTED BOARDER
139 4" WIDE WHITE DIAGONAL PAINTED STRIPING @ 36" OC W/ 4" WIDE FEDERAL STANDARD BLUE PAINTED BOARDER
140 4" WIDE FEDERAL STANDARD BLUE PAINTED STRIPING
142 CATCH BASIN, REFER TO CIVIL FOR ADDITIONAL INFORMATION
143 LIGHT BOLLARD, REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION

KEY PLAN

NOT USED

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CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 COMMENTS
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
ENLARGED SITE PLAN

SHEET NO.:
AS101

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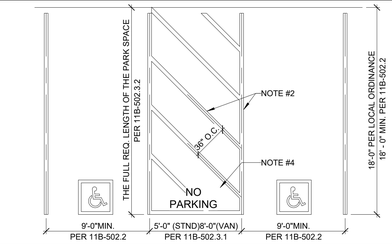
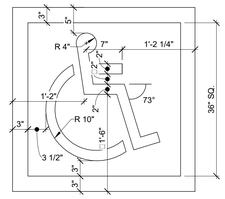


NOTES:

1. PER 11B-502.2 EXCEPTION, VAN PARKING SPACES SHALL BE PERMITTED TO BE 9'-0" WIDE MIN. WHERE THE ACCESS AISLE IS 8'-0" WIDE MIN.
2. PER 11B-502.3.3 ACCESS AISLE SHALL BE MARKED WITH A BLUE BORDER, HATCHED LINES THAT ARE A MAXIMUM OF 36" ON-CENTER ARE PAINTED WITH A COLOR THAT CONTRASTS WITH THE PARKING SURFACE, PREFERABLY BLUE OR WHITE.
3. PER 11B-502.3.3 THE WORDS "NO PARKING" SHALL BE PAINTED ON THE SURFACE WITHIN EACH ACCESS AISLE IN WHITE LETTERS A MINIMUM OF 12 INCHES IN HEIGHT AND LOCATED TO BE VISIBLE FROM THE ADJACENT VEHICULAR WAY. ACCESS AISLE MARKINGS MAY EXTEND BEYOND THE MINIMUM REQUIRED LENGTH.
4. PER 11B-502.3.4 ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.
5. PER 11B-502.4 PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL COMPLY WITH SECTION 11B-302. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.

1 ACCESSIBLE PARKING SPACE
3/16" = 1'-0"



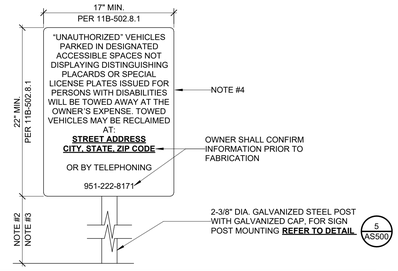
NOTES:

1. EACH ACCESSIBLE CAR AND VAN SPACE SHALL HAVE SURFACE IDENTIFICATION THAT COMPLIES WITH EITHER OF THE FOLLOWING OPTIONS: **11B-502.6.4**
2. THE PARKING SPACE SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE ON A BLUE BACKGROUND A MINIMUM 36 INCHES WIDE AND 36 INCHES HIGH. 11B-502.6.4.1
3. THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IS A MAXIMUM OF 6 INCHES FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THE PARKING SPACE AND ITS LOWER CORNER AT, OR LOWER SIDE ALIGNED WITH THE END OF THE PARKING SPACE LENGTH. 11B-502.6.4.1

OR

THE PARKING SPACE SHALL BE OUTLINED IN BLUE OR PAINTED BLUE AND SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE ON A BLUE BACKGROUND A MINIMUM 36 INCHES HIGH IN WHITE OR A SUITABLE CONTRASTING COLOR. THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IS A MAXIMUM OF 6" FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THE PARKING SPACE AND ITS LOWER CORNER AT, OR LOWER SIDE ALIGNED WITH THE END OF THE PARKING SPACE LENGTH. **11B-502.6.4.2**

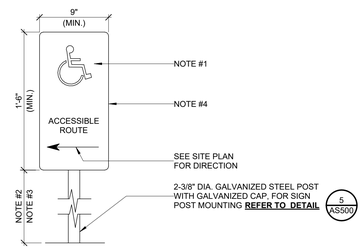
2 ISA PARKING STALL EMBLEM
1" = 1'-0"



NOTES:

1. PER 11B-502.6 PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE ON A BLUE BACKGROUND.
2. PER 11B-502.6 SIGNS SHALL BE 60 INCHES (5.0 FEET) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.
3. PER 11B-502.6 EXCEPTION, SIGNS LOCATED WITHIN A CIRCULATION PATH SHALL BE A MINIMUM OF 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SURFACE TO THE BOTTOM OF THE SIGN. ***MATCH EXISTING SIGN HEIGHT***.
4. PER 11B-502.6.1 PARKING IDENTIFICATION SIGNS SHALL BE REFLECTORIZED WITH A MINIMUM AREA OF 70 SQUARE INCHES.
5. PER 11B-502.8.2 SIGN SHALL CLEARLY STATE IN LETTERS WITH A MINIMUM HEIGHT OF 1 INCH.

3 SIGN - SITE ENTRANCE / TOW AWAY
1 1/2" = 1'-0"



NOTES:

1. PER 11B-502.6 PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE ON A BLUE BACKGROUND.
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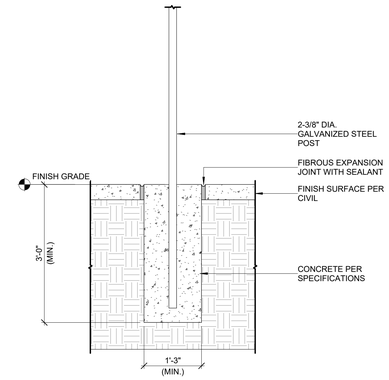
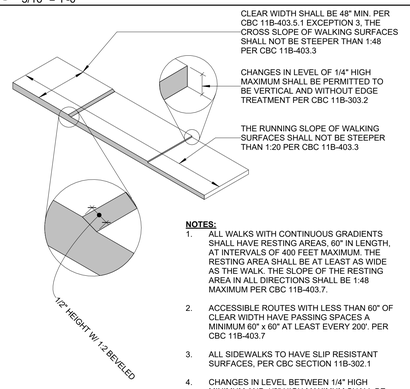
3. PER 11B-502.6 EXCEPTION, SIGNS LOCATED WITHIN A CIRCULATION PATH SHALL BE A MINIMUM OF 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SURFACE TO THE BOTTOM OF THE SIGN. ***MATCH EXISTING SIGN HEIGHT***.
4. PER 11B-502.6.1 PARKING IDENTIFICATION SIGNS SHALL BE REFLECTORIZED WITH A MINIMUM AREA OF 70 SQUARE INCHES.

4 ACCESSIBLE ROUTE SIGN
1 1/2" = 1'-0"



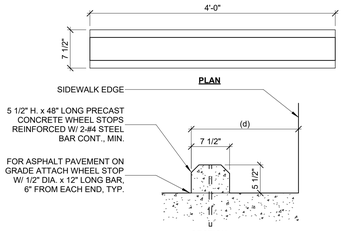
5 SIGN POST MOUNTING W/ BOLLARD BASE
3/4" = 1'-0"



NOTES:

1. ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE RESTING AREAS, 60" IN LENGTH, AT INTERVALS OF 400 FEET MAXIMUM. THE RESTING AREA SHALL BE AT LEAST AS WIDE AS THE WALK. THE SLOPE OF THE RESTING AREA IN ALL DIRECTIONS SHALL BE 1:48 MAXIMUM PER CBC 11B-403.7.
2. ACCESSIBLE ROUTES WITH LESS THAN 60" OF CLEAR WIDTH HAVE PASSING SPACES A MINIMUM 60" x 60" AT LEAST EVERY 200'. PER CBC 11B-403.7
3. ALL SIDEWALKS TO HAVE SLIP RESISTANT SURFACES, PER CBC SECTION 11B-302.1
4. CHANGES IN LEVEL BETWEEN 1/4" HIGH MINIMUM AND 1/2" HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2 PER CBC 11B-303.3

6 ACCESSIBLE ROUTE
1/2" = 1'-0"



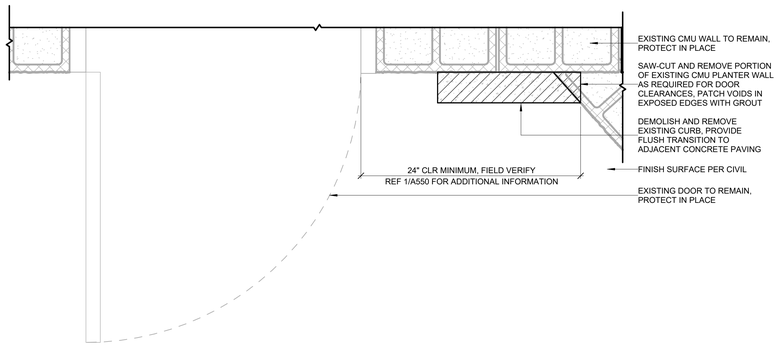
LOCATION:
DISTANCE (d) FROM WHEEL SIDE OF WHEEL STOP TO EDGE OF PAVEMENT OR OBSTACLE PER CHART AT LEFT. VERIFY EXACT LOCATION WITH OWNER'S REP. PRIOR TO INSTALLATION.

EDGE OF WHEEL STOP SHALL BE 1'-0" FROM STALL MODULE LINE UNLESS OTHERWISE NOTED.

PARKING ANGLE	DISTANCE (d) (STD. CAR)	DISTANCE (d) (COMPACT)
90 DEGREES	2'-8"	2'-8"
45 DEGREES	2'-8" MIN.	2'-8" MIN.

NOTE:
ALL WHEEL STOPS TO BE PLACED ON DRIVER SIDE OF STALLS, EXCEPT WHERE ANGLE OF PARK IS TO THE LEFT.

7 CONCRETE WHEEL STOP
1" = 1'-0"



NOTES:

1. TOUCH-UP PAINT CMU EXPOSED EDGES TO MATCH EXISTING ADJACENT CONDITIONS

8 CURB AND PARTIAL PLANTER WALL DEMOLITION AND REMOVAL
1 1/2" = 1'-0"

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

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MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
SITE DETAILS

SHEET NO.:
AS500

NOT USED

NOT USED

SITE MATERIAL SCHEDULE

CSI #	KEY	PRODUCT	MANUFACTURER	STYLE/SERIES/FINISH	COLOR	SIZE
32 12 16 - ASPHALT PAVING	PAVE-ASPH	(N) ASPHALT PAVING	CUSTOM	N/A	BLACK	PER PLANS
32 13 13 - CONCRETE PAVING	PAVE-CONC	(N) CONCRETE PAVING	CUSTOM	MEDIUM BROOM FINISH	STANDARD GRAY	PER PLANS

NOTES:

1. FIELD VERIFY CONCRETE PAVING FINISH, MATCH EXISTING

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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DA223-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

SCHEDULES

SHEET NO.:

AS600

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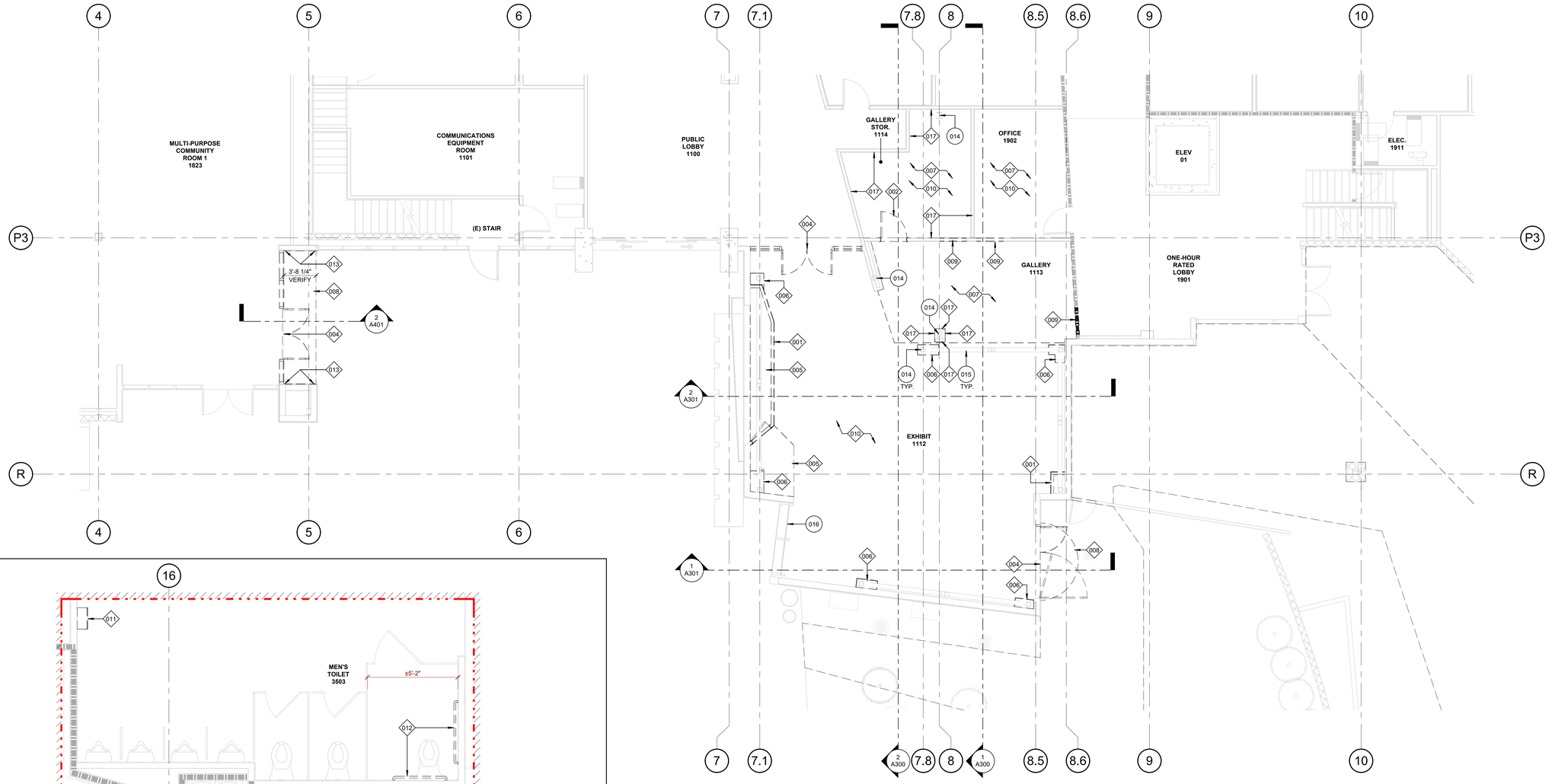
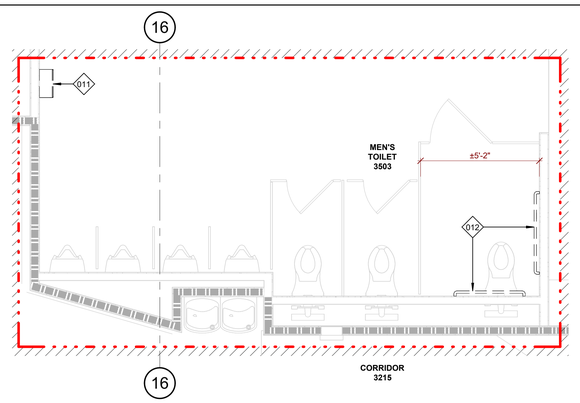




2 FIRST FLOOR - AREA OF WORK 2 - DEMO
3/8" = 1'-0"

1 FIRST FLOOR - AREA OF WORK - DEMOLITION
3/16" = 1'-0"

True North

DEMO FLOOR PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		LIMIT OF WORK	
		(E) WALL TO REMAIN	PROTECT IN PLACE
		(E) 1-HR RATED WALL TO REMAIN	PROTECT IN PLACE
		(E) WALL ASSEMBLY TO BE DEMOLISHED & REMOVED	
		(E) WINDOW TO BE DEMOLISHED & REMOVED	
		(E) DOOR TO BE DEMOLISHED & REMOVED	

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS

NOT USED

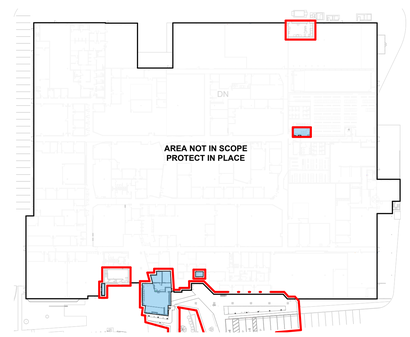
GENERAL NOTES

1. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE ACCORDING TO REQUIREMENTS IN CFC 2019, CHAPTER 33.
2. EXISTING AREAS TO REMAIN THAT ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION SHALL BE PATCHED, REPAIRED OR REPLACED, AND FINISHED TO MATCH ADJACENT SURFACES AT NOT COST TO THE OWNER.
3. CONTRACTOR TO PROVIDE FLOOR TO CEILING PLYWOOD BARRIER WALL TO BE MAINTAINED THROUGHOUT ENTIRE DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REVIEW LOCATION WITH OWNER PRIOR TO STARTING WORK.
4. AREAS OUTSIDE AREA OF WORK ARE TO REMAIN OPERATIONAL DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR IS TO COORDINATE WITH OWNER FOR ANY INTERRUPTIONS OF EXISTING SERVICES THAT ARE CAUSED DUE TO DEMOLITION AND CONSTRUCTION ACTIVITIES IN ADVANCE OF ANY WORK COMMENCING.
5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
6. CONTRACTOR TO DEMOLISH AND REMOVE GYPSUM BOARD (AND SUBSTRATE) AS REQUIRED FOR IMPROVEMENTS AND ASSOCIATED INFASTRUCTURE, REFER TO MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR ADDT'L INFORMATION.

KEY NOTES

001	EXISTING WALL TO BE DEMOLISHED AND REMOVED
002	EXISTING DOOR TO BE DEMOLISHED AND REMOVED
004	EXISTING STOREFRONT SYSTEM TO BE DEMOLISHED AND REMOVED
005	EXISTING PLATFORM TO BE DEMOLISHED AND REMOVED
006	EXISTING PILASTER TO BE DEMOLISHED AND REMOVED
007	EXISTING FLOOR FINISH ASSEMBLY TO BE DEMOLISHED AND REMOVED
008	PORTION OF EXISTING CONCRETE / SLAB ON GRADE TO BE DEMOLISHED AND REMOVED
009	PORTION OF EXISTING WALL TO BE DEMOLISHED AND REMOVED TO ACCOMMODATE NEW DOOR, REF 1/S401 FOR ADDITIONAL INFORMATION
010	EXISTING WALL BASE IN AREA OF WORK TO BE DEMOLISHED AND REMOVED
011	EXISTING PAPER TOWEL DISPENSER TO BE REMOVED AND RELOCATED
012	EXISTING GRAB BAR TO BE DEMOLISHED AND REMOVED
013	PORTION OF EXISTING STUCCO TO BE DEMOLISHED AND REMOVED
014	EXISTING COLUMN TO REMAIN, PROTECT IN PLACE
015	EXISTING STRUCTURAL BRACING TO REMAIN, PROTECT IN PLACE
016	EXISTING WINDOW / STOREFRONT SYSTEM TO REMAIN, PROTECT IN PLACE
017	EXISTING GYPSUM BOARD TO BE DEMOLISHED AND REMOVED

KEY PLAN



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LICENSED ARCHITECT
MATHEW CHARLES ACTON
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STATE OF CALIFORNIA

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:09:56 PM

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
FIRST FLOOR - AREA OF WORK - DEMOLITION

SHEET NO.:
AD102

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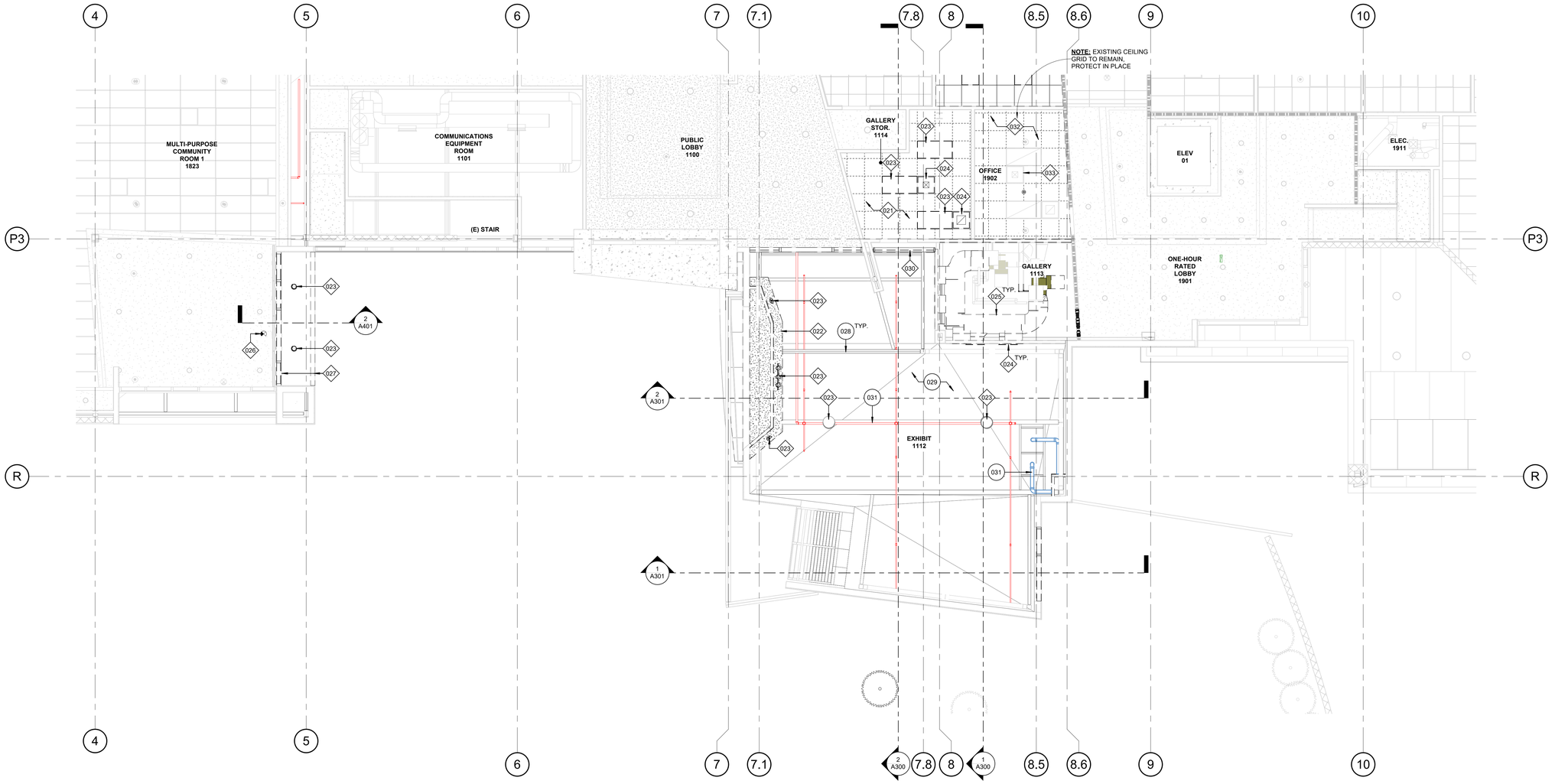


1 FIRST FLOOR - AREA OF WORK - DEMO RCP
3/16" = 1'-0"

True North

DEMO CEILING PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		LIMIT OF WORK	
		(E) WALL TO REMAIN	PROTECT IN PLACE
		(E) 1-HR RATED WALL TO REMAIN	PROTECT IN PLACE
	(E) ACT-1	ACOUSTICAL CEILING TILE TO BE REMOVED	
	(E) GYP-1	(E) HARD LID CEILING	PROTECT IN PLACE
		(E) WALL ASSEMBLY TO BE DEMOLISHED & REMOVED	
	ACT-1D	ACOUSTICAL CEILING TILE TO BE REMOVED	
	GYP-1D	HARD LID CEILING TO BE REMOVED	

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
NOT USED			

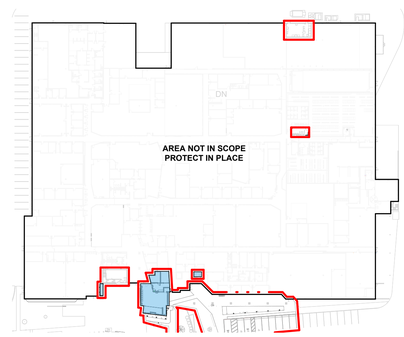
GENERAL NOTES

1. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE ACCORDING TO REQUIREMENTS IN CFC 2019, CHAPTER 33.
2. EXISTING AREAS TO REMAIN THAT ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION SHALL BE PATCHED, REPAIRED OR REPLACED, AND FINISHED TO MATCH ADJACENT SURFACES AT NOT COST TO THE OWNER.
3. CONTRACTOR TO PROVIDE FLOOR TO CEILING PLYWOOD BARRIER WALL TO BE MAINTAINED THROUGHOUT ENTIRE DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REVIEW LOCATION WITH OWNER PRIOR TO STARTING WORK.
4. AREAS OUTSIDE AREA OF WORK ARE TO REMAIN OPERATIONAL DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR IS TO COORDINATE WITH OWNER FOR ANY INTERRUPTIONS OF EXISTING SERVICES THAT ARE CAUSED DUE TO DEMOLITION AND CONSTRUCTION ACTIVITIES IN ADVANCE OF ANY WORK COMMENCING.
5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
6. CONTRACTOR TO REPLACE ACOUSTIC CEILING TILES THAT ARE DAMAGED DURING INSTALLATION OF CONDUIT FROM *ELECTRICAL 3304* TO *OFFICE / PRODUCTION 1113*.

KEY NOTES

021	EXISTING ACOUSTIC CEILING SYSTEM TO BE DEMOLISHED AND REMOVED
022	EXISTING GYP BOARD CEILING / SOFFIT TO BE DEMOLISHED AND REMOVED
023	EXISTING LIGHT FIXTURE TO BE DEMOLISHED AND REMOVED, REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION
024	EXISTING HVAC SUPPLY / RETURN REGISTER TO BE DEMOLISHED AND REMOVED, REFER TO MECHANICAL FOR ADDITIONAL INFORMATION
025	EXISTING HVAC DUCTS AND ASSOCIATED DEVICES TO BE DEMOLISHED AND REMOVED, REFER TO MECHANICAL FOR ADDITIONAL INFORMATION
026	EXISTING EMERGENCY EXIT LIGHT FIXTURE TO BE DEMOLISHED AND REMOVED, PROVIDE COVER PLATE, REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION
027	PORTION OF EXISTING STUCCO FINISH AT SOFFIT TO BE DEMOLISHED AND REMOVED
028	EXISTING BEAM TO REMAIN, PROTECT IN PLACE
029	EXISTING CORRUGATED METAL ROOF TO REMAIN, PROTECT IN PLACE
030	EXISTING WINDOW ABOVE TO BE DEMOLISHED AND REMOVED, IN-FILL OPENING AND PATCH FINISHES TO MATCH EXISTING ADJACENT CONDITION (WM-12)
031	EXISTING FIRE SPRINKLER PIPING TO REMAIN, PROTECT IN PLACE
032	EXISTING ACOUSTIC CEILING TILE TO BE DEMOLISHED AND REMOVED, PROTECT EXISTING GRID IN PLACE
033	EXISTING CEILING FIXTURES / EQUIPMENT TO REMAIN, REMOVE AND RE-INSTALL AS REQUIRED FOR CEILING GRID PAINT IMPROVEMENTS

KEY PLAN



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MEDIA ROOM

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CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

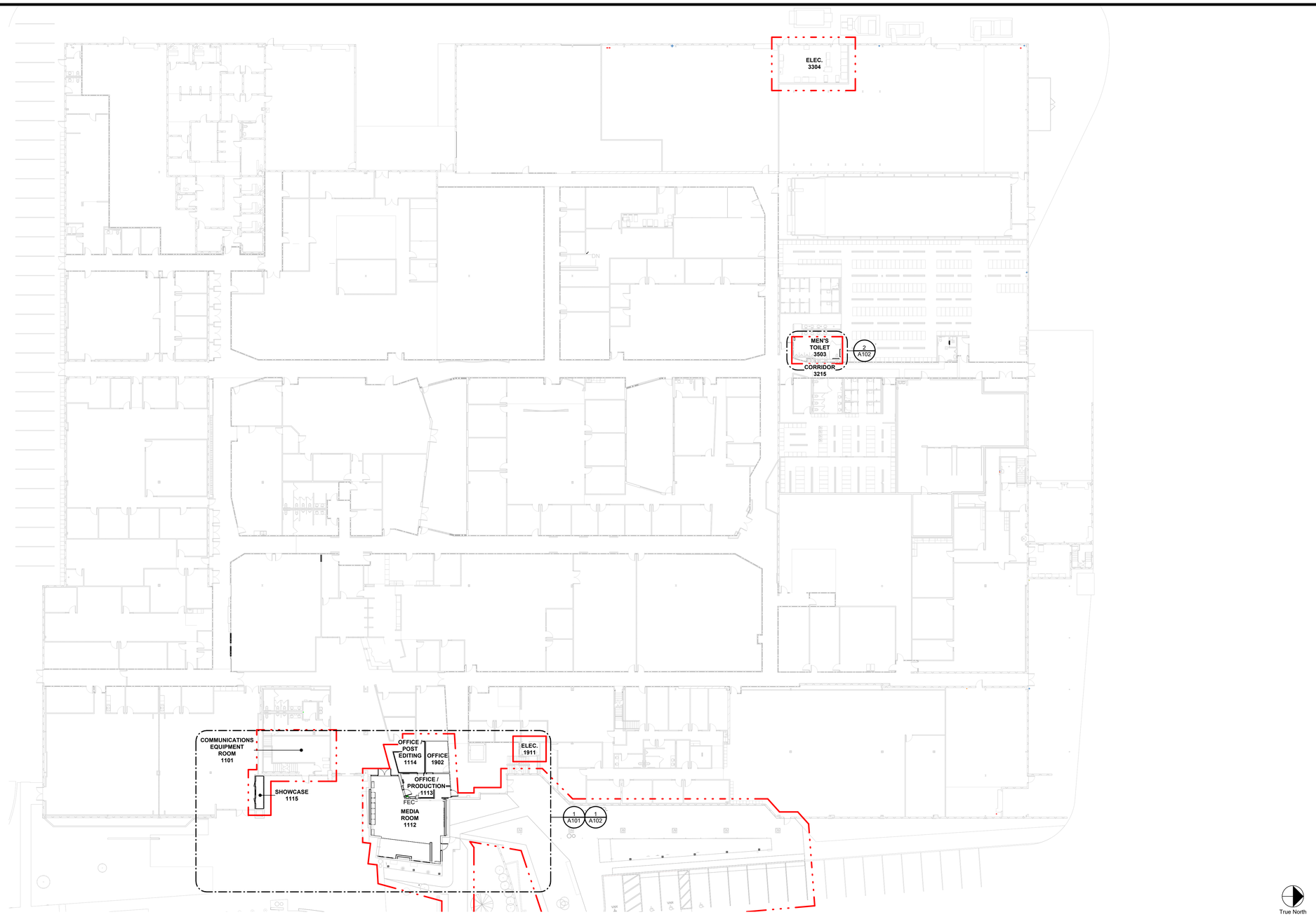
PROJECT NO.: ONT.010

SHEET TITLE:

FIRST FLOOR - AREA OF WORK - DEMO RCP

SHEET NO.:

AD121



1 FIRST FLOOR - OVERALL PLAN
1" = 20'-0"

True North

FLOOR PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		LIMIT OF WORK	
		(E) WALL TO REMAIN	PROTECT IN PLACE
		(E) 1-HR RATED WALL TO REMAIN	PROTECT IN PLACE
		(N) FRAMED WALL	REFER TO **A601** WALL SCHEDULE
FEC		RECESSED FIRE EXTINGUSHER CABINET	REFER TO **12/A550** FOR ADDITIONAL INFORMATION
		(E) WINDOW TO REMAIN	PROTECT IN PLACE
		(N) WINDOW	REFER TO **A600** WINDOW SCHEDULE
		(E) DOOR TO REMAIN	PROTECT IN PLACE
		(N) DOOR	REFER TO **A600** DOOR SCHEDULE

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
NOT USED			

GENERAL NOTES

1. ALL WALLS ARE DIMENSIONED TO GRID LINES OR FACE OF FRAMING UNLESS NOTED OTHERWISE WITH AN ASTERISK (*) ON SHEET **A101**.
2. CONTRACTOR IS TO NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND DIMS PROVIDED.
3. ALL DOORS ARE TO BE LOCATED 4" FROM FACE OF ADJACENT WALL STUD U.N.O. ON PLANS.
4. ALL DOORS, IF DIMENSIONED, ARE DIMENSIONED TO CENTER LINE OF OPENING. FOR ALL DOOR AND WINDOW OPENING SIZES, REFER TO SHEET **A600**.
5. ALL WALL HEIGHTS ARE DENOTED IN THE WALL TAG ON SHEET **A101**. REFER TO **G003** FOR WALL TAG DESCRIPTION.
6. FOR WALL FRAMING DETAILS, REFER TO STRUCTURAL DETAIL SHEETS **S502**, **S503**, **S504**, AND **S505**.
7. FOR WALL SCHEDULE, REFER TO SHEET **A601**.
8. FOR ALL CONCRETE BUILDING CURBS, REFER TO **A102** & STRUCTURAL SHEETS.
9. CONTRACTOR TO COORDINATE WITH FURNITURE PROVIDER AND PROVIDE BACKING REINFORCEMENT FOR FURNITURE, EQUIPMENT, ACCESSORIES, CASEWORK, ETC.,. GENERAL BACKING LOCATIONS AND LENGTHS PROVIDED ON PLAN, REFER TO EQUIPMENT PLAN AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
10. REFER TO AI SERIES SHEETS FOR ALL FINISH AND INTERIOR ELEVATION LOCATION INFORMATION.
11. REFER TO G SERIES SHEETS FOR ALL REQUIRED CLEARANCES.
12. REFER TO **G002** AND **G003** FOR ADDITIONAL GENERAL NOTES AND PROJECT INFORMATION.
13. CONTRACTOR TO PATCH / REPAIR GYPSUM BOARD (AND SUBSTRATE) AS REQUIRED FOR IMPROVEMENTS AND ASSOCIATED INFASTRUCTURE. REFER TO MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR ADDT'L INFORMATION. PATCH SHALL MATCH ADJACENT CONDITION.
14. CONTRACTOR TO REPLACE ACOUSTIC CEILING TILES THAT ARE DAMAGED DURING INSTALLATION OF CONDUIT FROM ROOM *ELECTRICAL 3304* TO *OFFICE / PRODUCTION 1113*.

KEY NOTES

NOT USED

KEY PLAN

NOT USED

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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

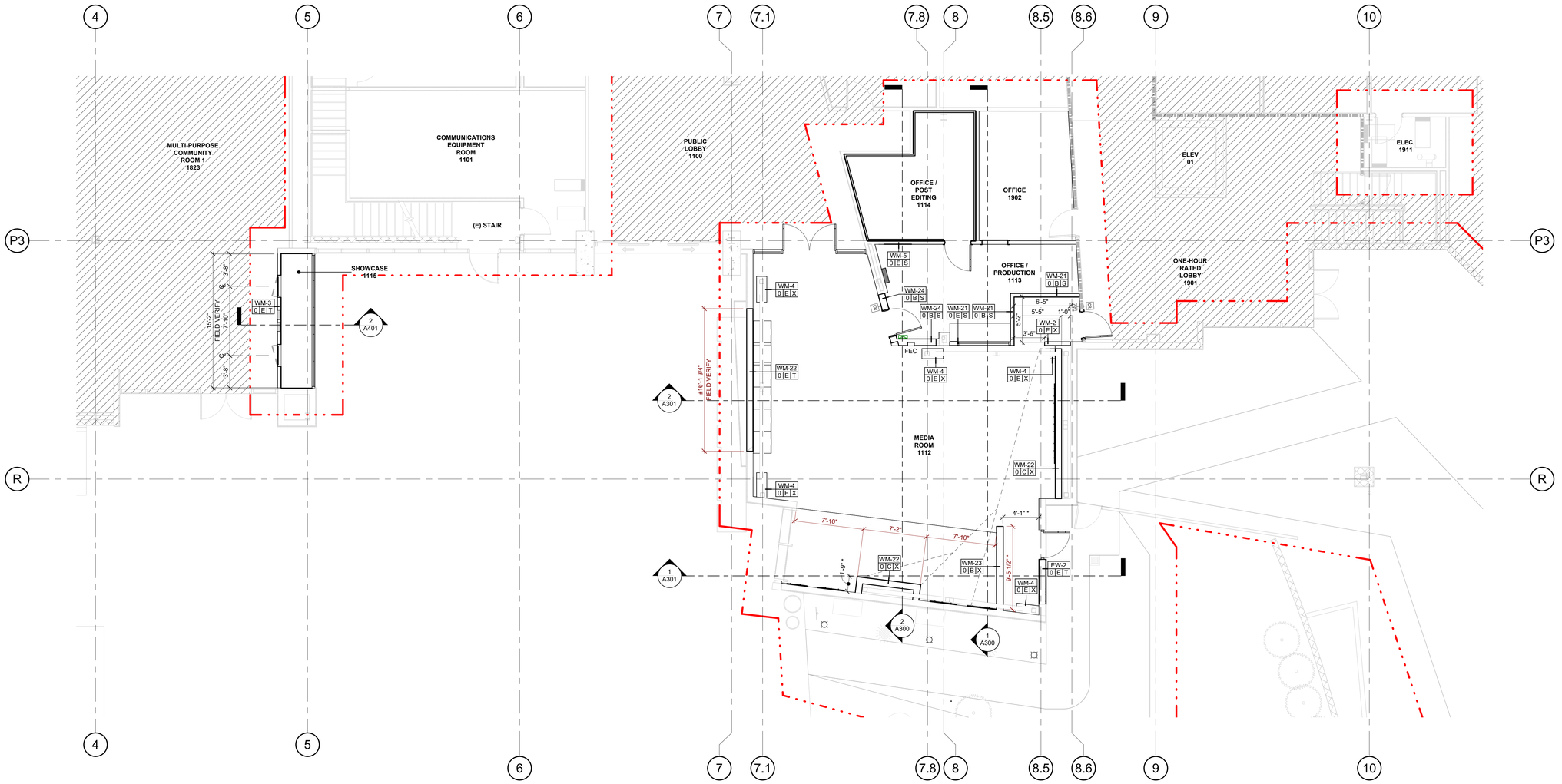
PROJECT NO.: ONT.010

SHEET TITLE:

FIRST FLOOR - OVERALL PLAN

SHEET NO.:

A100



1 FIRST FLOOR - AREA OF WORK - DIMENSIONAL PLAN
3/16" = 1'-0"

True North

FLOOR PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		LIMIT OF WORK	
		(E) WALL TO REMAIN	PROTECT IN PLACE
		(E) 1-HR RATED WALL TO REMAIN	PROTECT IN PLACE
		(N) FRAMED WALL	REFER TO **A601** WALL SCHEDULE
WM-2 0		WALL TAG	
CR		CR - CARD READER	REFER TO TECHNOLOGY FOR ADDITIONAL INFORMATION
FEC		RECESSED FIRE EXTINGUSHER CABINET	REFER TO **12/A550** FOR ADDITIONAL INFORMATION
		(E) WINDOW TO REMAIN	PROTECT IN PLACE
		(N) WINDOW	REFER TO **A600** WINDOW SCHEDULE
		(E) DOOR TO REMAIN	PROTECT IN PLACE
		(N) DOOR	REFER TO **A600** DOOR SCHEDULE

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
NOT USED			

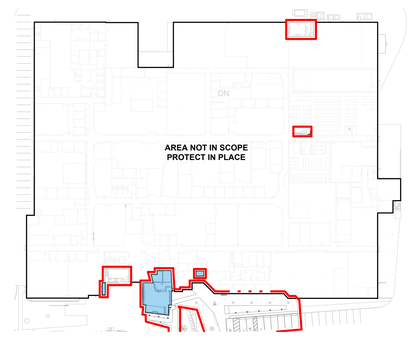
GENERAL NOTES

1. ALL WALLS ARE DIMENSIONED TO GRID LINES OR FACE OF FRAMING UNLESS NOTED OTHERWISE WITH AN ASTERISK (*).
2. CONTRACTOR IS TO NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND DIMS PROVIDED.
3. ALL DOORS ARE TO BE LOCATED 4" FROM FACE OF ADJACENT WALL STUD U.N.O. ON PLANS.
4. ALL DOORS, IF DIMENSIONED, ARE DIMENSIONED TO CENTER LINE OF OPENING. FOR ALL DOOR AND WINDOW OPENING SIZES, REFER TO SHEET **A600**.
5. ALL WALL HEIGHTS ARE DENOTED IN THE WALL TAG. REFER TO **G003** FOR WALL TAG DESCRIPTION.
6. FOR WALL FRAMING DETAILS, REFER TO STRUCTURAL DETAIL SHEETS **S502**, **S503**, **S504**, AND **S505**.
7. FOR WALL SCHEDULE, REFER TO SHEET **A601**.
8. FOR ALL CONCRETE BUILDING CURBS, REFER TO **A102** & STRUCTURAL SHEETS.
9. CONTRACTOR TO COORDINATE WITH FURNITURE PROVIDER AND PROVIDE BACKING REINFORCEMENT FOR FURNITURE, EQUIPMENT, ACCESSORIES, CASEWORK, ETC... GENERAL BACKING LOCATIONS AND LENGTHS PROVIDED ON PLAN, REFER TO EQUIPMENT PLAN AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
10. REFER TO AI SERIES SHEETS FOR ALL FINISH AND INTERIOR ELEVATION LOCATION INFORMATION.
11. REFER TO G SERIES SHEETS FOR ALL REQUIRED CLEARANCES.
12. REFER TO **G002** AND **G003** FOR ADDITIONAL GENERAL NOTES AND PROJECT INFORMATION.
13. CONTRACTOR TO PATCH / REPAIR GYPSUM BOARD (AND SUBSTRATE) AS REQUIRED FOR IMPROVEMENTS AND ASSOCIATED INFASTRUCTURE. REFER TO MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR ADDT'L INFORMATION. PATCH SHALL MATCH ADJACENT CONDITION.

KEY NOTES

NOT USED

KEY PLAN



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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CITY OF ONTARIO
City of Ontario | Building Department
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CLIENT:
ONTARIO POLICE DEPARTMENT

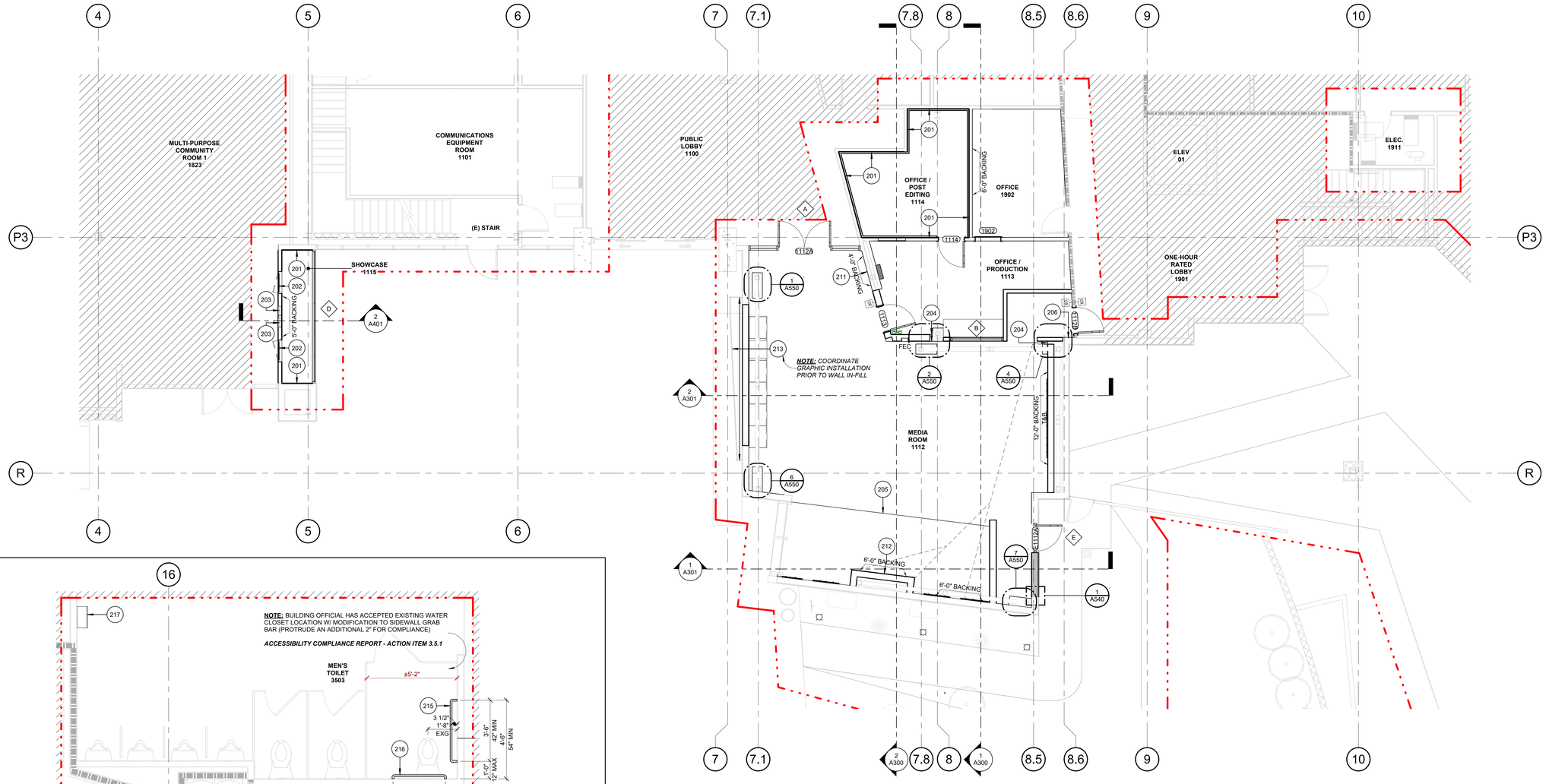
CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

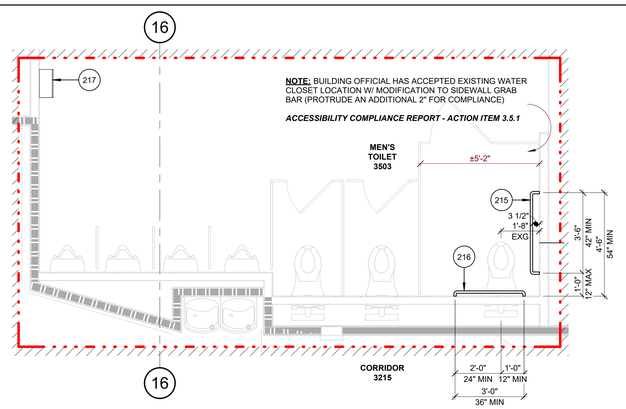
PROJECT NO.: ONT.010

SHEET TITLE:
FIRST FLOOR - AREA OF WORK - DIMENSIONAL PLAN

SHEET NO.:
A101



1 FIRST FLOOR - AREA OF WORK
3/16" = 1'-0"



2 FIRST FLOOR - AREA OF WORK 2
3/8" = 1'-0"

True North

FLOOR PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
		LIMIT OF WORK	
		(E) WALL TO REMAIN	PROTECT IN PLACE
		(E) 1-HR RATED WALL TO REMAIN	PROTECT IN PLACE
		(N) FRAMED WALL W/ CONCRETE CURB	REFER TO **A601** WALL SCHEDULE AND STRUCTURAL DRAWINGS
		(N) FRAMED WALL	REFER TO **A601** WALL SCHEDULE
CR		CR - CARD READER	REFER TO TECHNOLOGY FOR ADDITIONAL INFORMATION
FEC		RECESSED FIRE EXTINGUSHER CABINET	REFER TO **12/A550** FOR ADDITIONAL INFORMATION
		(E) WINDOW	PROTECT IN PLACE
CW		(N) WINDOW WINDOW TAG	REFER TO **A600** WINDOW SCHEDULE
		(E) DOOR TO REMAIN	PROTECT IN PLACE
1112		(N) DOOR DOOR TAG	REFER TO **A600** DOOR SCHEDULE

NOT USED

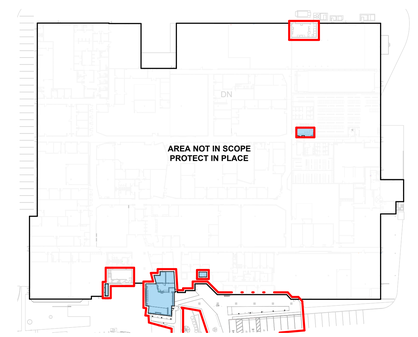
GENERAL NOTES

1. ALL WALLS ARE DIMENSIONED TO GRID LINES OR FACE OF FRAMING UNLESS NOTED OTHERWISE WITH AN ASTERISK (*) ON SHEET **A101**.
2. CONTRACTOR IS TO NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND DIMS PROVIDED.
3. ALL DOORS ARE TO BE LOCATED 4" FROM FACE OF ADJACENT WALL STUD U.N.O. ON PLANS.
4. ALL DOORS, IF DIMENSIONED, ARE DIMENSIONED TO CENTER LINE OF OPENING. FOR ALL DOOR AND WINDOW OPENING SIZES, REFER TO SHEET **A600**.
5. ALL WALL HEIGHTS ARE DENOTED IN THE WALL TAG ON SHEET **A101**. REFER TO **G003** FOR WALL TAG DESCRIPTION.
6. FOR WALL FRAMING DETAILS, REFER TO STRUCTURAL DETAIL SHEETS **S502**, **S503**, **S504**, AND **S505**.
7. FOR WALL SCHEDULE, REFER TO SHEET **A601**.
8. FOR ALL CONCRETE BUILDING CURBS, REFER TO STRUCTURAL SHEETS FOR ADDT'L INFORMATION.
9. CONTRACTOR TO COORDINATE WITH FURNITURE PROVIDER AND PROVIDE BACKING REINFORCEMENT FOR FURNITURE, EQUIPMENT, ACCESSORIES, CASEWORK, ETC.. GENERAL BACKING LOCATIONS AND LENGTHS PROVIDED ON PLAN, REFER TO EQUIPMENT PLAN AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
10. REFER TO AI SERIES SHEETS FOR ALL FINISH AND INTERIOR ELEVATION LOCATION INFORMATION.
11. REFER TO G SERIES SHEETS FOR ALL REQUIRED CLEARANCES.
12. REFER TO **G002** AND **G003** FOR ADDITIONAL GENERAL NOTES AND PROJECT INFORMATION.
13. CONTRACTOR TO PATCH / REPAIR GYPSUM BOARD (AND SUBSTRATE) AS REQUIRED FOR IMPROVEMENTS AND ASSOCIATED INFASTRUCTURE, REFER TO MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR ADDTL INFORMATION. PATCH SHALL MATCH ADJACENT CONDITION.

KEY NOTES

201	5/8" GYPSUM BOARD
202	30" X 72" DRYWALL ACCESS PANEL, MODEL DW SERIES AS MANUFACTURED BY ELMDOR OR APPROVED EQUAL, WITH PAINT FINISH. REFER INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
203	6" X 14" WALL LOUVER W/ PAINT FINISH, REFER TO 11/A550 AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
204	EXPANSION JOINT COVER, REFER TO A550 FOR ADDITIONAL INFORMATION
205	PLATFORM, REFER TO S201 FOR ADDITIONAL INFORMATION
206	5/8" GYPSUM BOARD OVER FURRING STRIPS AS REQUIRED FOR FLUSH TRANSITION TO NEW WALL
211	CAST BRONZE DEDICATION PLAQUE BY OWNERS VENDOR, VERIFY SIZE AND FINAL LOCATION WITH OWNER
212	DEPARTMENT SEAL SIGNAGE BY OWNERS VENDOR, VERIFY SIZE AND FINAL LOCATION WITH OWNER
213	CUSTOM VINYL GRAPHICS W/ BLACK-OUT BACKGROUND BY OWNERS VENDOR, REFER TO 16/A550 FOR ADDITION INFORMATION
215	CUSTOM GRAB BAR W/ CLOSURE PLATE, REFER TO 8/A500 FOR ADDITIONAL INFORMATION. PATCH SUBSTRATE AND FINISHES TO MATCH ADJACENT CONDITIONS
216	BRADLEY GRAB BAR - MODEL 812-001, REFER TO 6 & 7/A500 FOR ADDITIONAL INFORMATION. PATCH SUBSTRATE AND FINISHES TO MATCH ADJACENT CONDITIONS
217	RELOCATED PAPER TOWEL DISPENSER, REFER TO 4/A500 FOR MOUNTING HEIGHT. PATCH AND REPAIR PREVIOUS FASTENER HOLES AS REQUIRED.

KEY PLAN



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CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

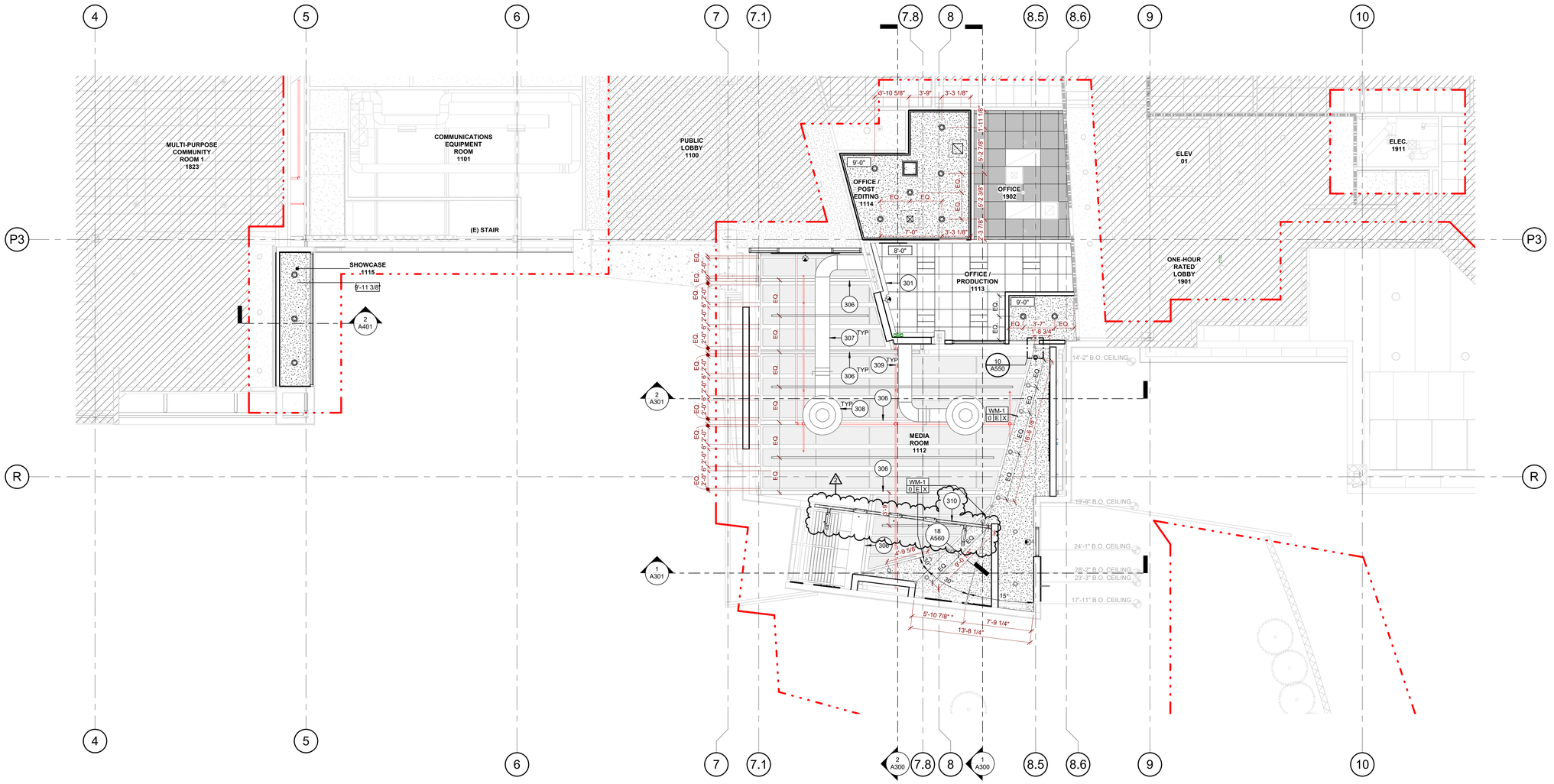
PROJECT NO.: ONT.010

SHEET TITLE:

FIRST FLOOR - AREA OF WORK

SHEET NO.:

A102



1 FIRST FLOOR - AREA OF WORK - REFLECTED CEILING PLAN
3/16" = 1'-0"

True North

CEILING PLAN LEGEND

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
	CLG-1	ACOUSTICAL CEILING TILE & GRID SYSTEM	REFER TO INTERIOR MATERIAL SCHEDULE FOR ADDITIONAL INFORMATION
	CLG-2	ACOUSTICAL CEILING TILE AT EXISTING GRID	REFER TO INTERIOR MATERIAL SCHEDULE FOR ADDITIONAL INFORMATION
	GYP CLG	HARD LID CEILING	PAINT FINISH. REFER TO INTERIOR MATERIAL SCHEDULE FOR COLOR.
		18"x18" ACCESS PANEL	REFER TO **13/A550** FOR ADDITIONAL INFORMATION
		EXIT LIGHT	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION
		LIGHT FIXTURE	REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION
		AIR TERMINAL	REFER TO MECHANICAL FOR ADDITIONAL INFORMATION

IMAGE	KEY	DESCRIPTION	REMARKS / COMMENTS
	CLG-3	DIRECT-ATTACHED ACOUSTICAL PANEL	REFER TO INTERIOR MATERIAL SCHEDULE FOR ADDITIONAL INFORMATION

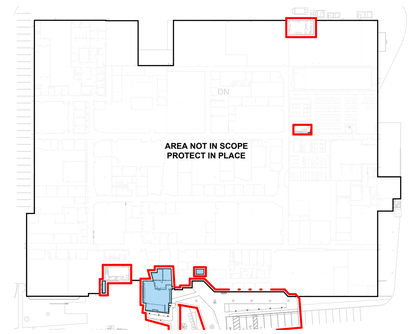
GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF FINISH, TYP.
2. ALL PLUMBING, MECHANICAL, ELECTRICAL, STRUCTURAL AND OTHER ITEMS INCLUDING BUT NOT LIMITED TO DUCTS, CONDUITS, PIPES, ACCESS PANELS, ETC... VISIBLE IN EXPOSED OR OPEN CELL CEILING AREAS ARE TO BE PAINTED (PER SCHEDULE). REFER TO FINISH PLANS AND SCHEDULES FOR ADDITIONAL INFORMATION.
3. FIRE SPRINKLER HEAD PLACEMENT SHALL BE LOCATED IN THE CENTER OF ACOUSTICAL CEILING TILES. ANY PLACEMENT OF HEAD THAT CANNOT MEET THE REQUIREMENT SHALL BE IDENTIFIED AND MUST OBTAIN APPROVAL FROM ARCHITECT PRIOR TO INSTALLATION. REFER TO DETAIL **16/A560**.
4. FOR ALL EMERGENCY LIGHTING, REFER TO ELECTRICAL PLANS FOR LOCATION AND TYPE.
5. ALL EXIT SIGNS ARE TO BE CENTERED ABOVE DOORS OR OPENINGS WHERE APPLICABLE.
6. ALL LIGHT FIXTURES INSTALLED IN OPEN CEILING AREAS ARE TO BE HUNG CENTERED IN CELL / STRUCTURAL BAY, TYP.
7. CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS OF PROPOSED ACCESS PANEL LOCATIONS TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO BEGINNING MEP WORK.
8. REFER TO TYPICAL CEILING DETAILS ON SHEET **A560**.
9. REFER TO SHEET **A600** & **AI600** FOR ADDITIONAL INFORMATION REGARDING MATERIALS.
10. REFER TO STRUCTURAL PLANS FOR PARITION BRACING, CEILING JOIST SCHEDULE, AND ADDITIONAL INFORMATION.
11. REFER TO ELECTRICAL LIGHTING PLANS FOR ANY ADDITIONAL INFORMATION.
12. REFER TO MECHANICAL PLANS FOR ANY ADDITIONAL INFORMATION.
13. CONTRACTOR TO REPLACE ACOUSTIC CEILING TILES THAT ARE DAMAGED DURING INSTALLATION OF CONDUIT FROM *ELECTRICAL 3304* TO *OFFICE / PRODUCTION 1113*.
14. CONTRACTOR TO PATCH / REPAIR GYPSUM BOARD (AND SUBSTRATE) AS REQUIRED FOR IMPROVEMENTS AND ASSOCIATED INFASTRUCTURE, REFER TO MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR ADDTL INFORMATION. PATCH SHALL MATCH ADJACENT CONDITION.

KEY NOTES

301	CEILING EXPANSION JOINT, REFER TO 17/A560
306	EXISTING STEEL STRUCTURE W/ ACCENT PAINT 2 (PT-2). REFER TO SHEET AI600.
307	AIR DUCT W/ PAINT 1 (PT-1). REFER TO SHEET AI600.
308	AIR DIFFUSER W/ PAINT 1 (PT-1), REFER TO SHEET AI600.
309	EXISTING FIRE SPRINKLER PIPING W/ PAINT 1 (PT-1). REFER TO SHEET AI600.
310	CUSTOM LIGHT TRUSS SYSTEM WITH PAINT FINISH (PT-3), PROVIDE 12 CABLE MANAGEMENT CLAMPS MODEL #DT-SNAPLT BLK AS MANUFACTURED BY GLOBAL TRUSS OR SIMILAR. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION

KEY PLAN



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CONSULTANT:

STAMPS:

LICENSED ARCHITECT
MATTHEW CHARLES ACTON
C-37028
STATE OF CALIFORNIA

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DA'C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC REVISIONS
	09/17/25	PC RD 2 SUBMITTAL

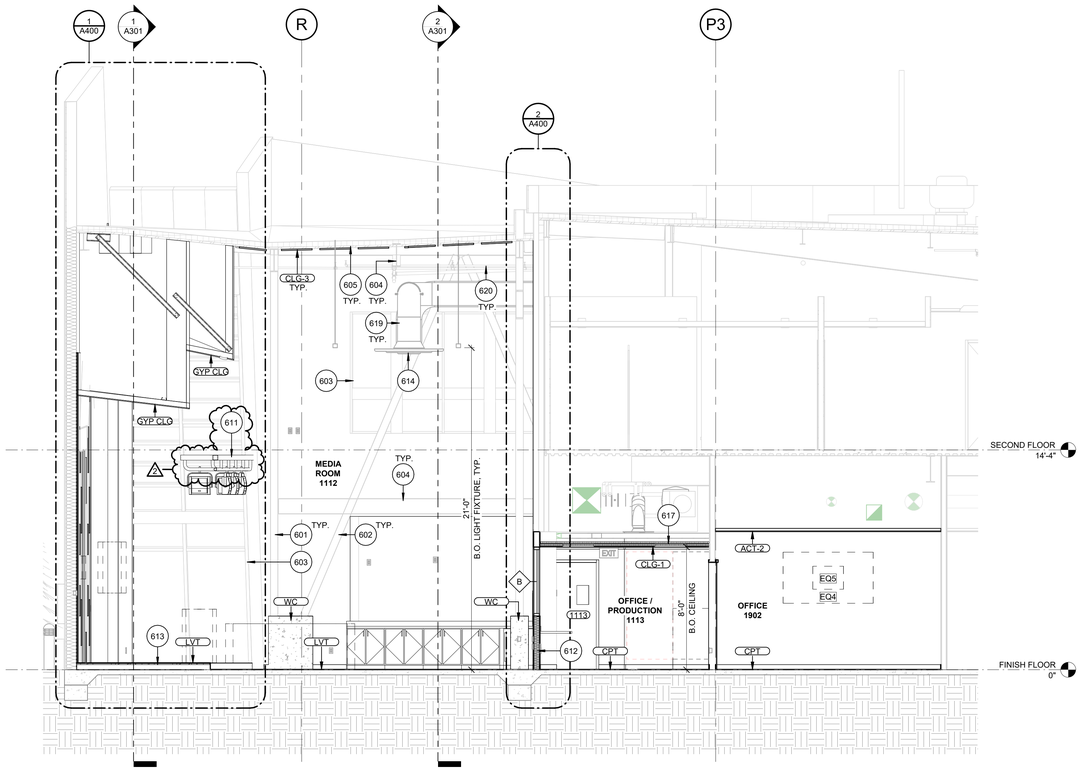
PROJECT NO.: ONT.010

SHEET TITLE:

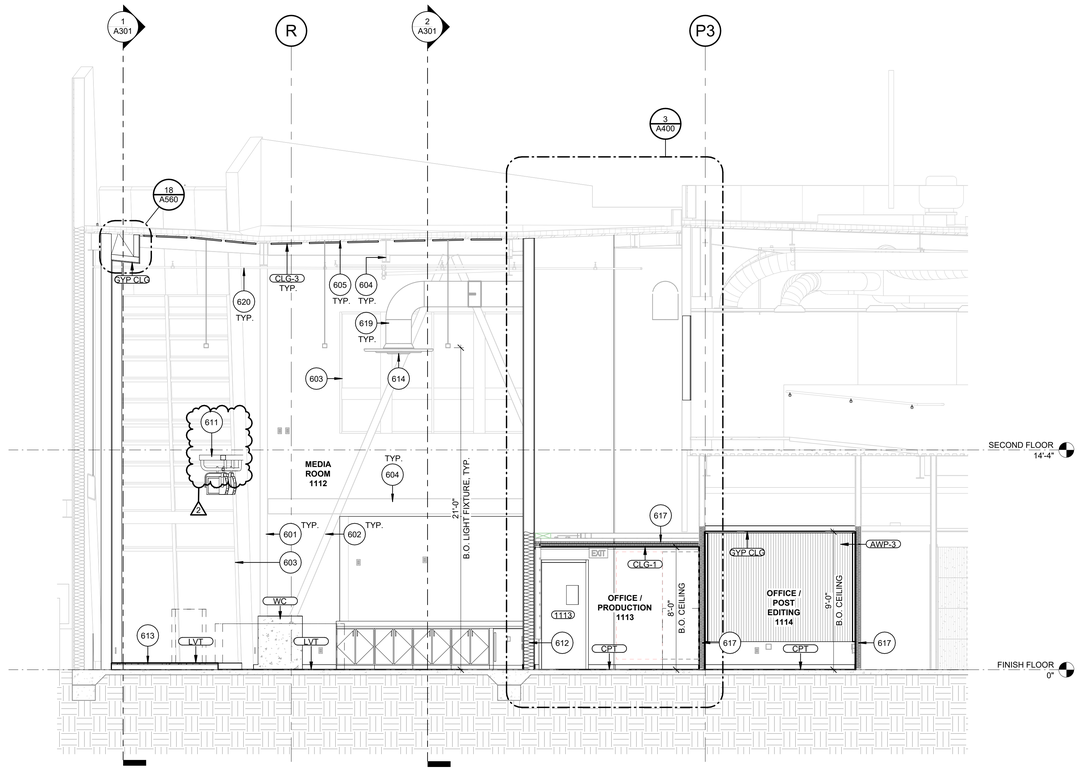
FIRST FLOOR - AREA OF WORK - REFLECTED CEILING PLAN

SHEET NO.:

A121



1 EAST-WEST - MEDIA ROOM 1112 THROUGH OFFICE / POST EDITING 1114 - 1
1/4" = 1'-0"



2 EAST-WEST - MEDIA ROOM 1112 THROUGH OFFICE / POST EDITING 1114 - 2
1/4" = 1'-0"

LEGEND

NOT USED

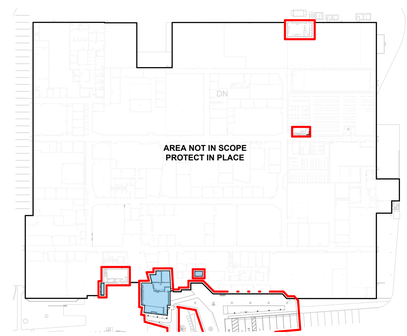
GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
2. REFER TO **1/S505** FOR INTERIOR CEILING JOIST SCHEDULE.
3. REFER TO AI SERIES SHEETS AND MATERIAL SCHEDULES FOR ADDITIONAL INFORMATION ON MATERIALS AND FINISHES.
4. REFER TO **A600** AND **A601** FOR DOOR, WINDOW AND WALL SCHEDULES.
5. ALL PARTIAL HEIGHT FRAMED WALLS REQUIRE BRACING TO STRUCTURE, REFER TO STRUCTURAL SHEETS **S502**, **S503**, **S504**, AND **S505** FOR WALL FRAMING DETAILS.
6. ALL PLUMBING, MECHANICAL, ELECTRICAL, STUCTURAL AND OTHER ITEMS INCLUDING BUT NOT LIMITED TO DUCTS, CONDUITS, PIPES, ACCESS PANELS, ETC... VISIBLE IN EXPOSED OR OPEN CELL CEILING AREAS ARE TO BE PAINTED. REFER TO FINISH PLANS AND SCHEDULES FOR ADDITIONAL INFORMATION.
7. EXPOSED CONCRETE STEM WALLS TO RECEIVE SACK AND PATCH FINISH, TYPICAL WHERE OCCURS.
8. CONTRACTOR TO PATCH / REPAIR GYPSUM BOARD (AND SUBSTRATE) AS REQUIRED FOR IMPROVEMENTS AND ASSOCIATED INFASTRUCTURE, REFER TO MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR ADDT'L INFORMATION. PATCH SHALL MATCH ADJACENT CONDITION.

KEY NOTES

601	EXISTING COLUMN W/ ACCENT PAINT 2 (PT-2). REFER TO SHEET AI600.
602	EXISTING STRUCTURAL BRACING W/ ACCENT PAINT 2 (PT-2). REFER TO SHEET AI600.
603	EXISTING WINDOW / STOREFRONT SYSTEM
604	EXISTING BEAM W/ ACCENT PAINT 2 (PT-2). REFER TO SHEET AI600.
605	EXISTING CORRUGATED METAL ROOF W/ PAINT 1 (PT-1). REFER TO SHEET AI600.
611	CUSTOM LIGHT TRUSS SYSTEM WITH PAINT FINISH (PT-3), PROVIDE 12 CABLE MANAGEMENT CLAMPS MODEL #DT-SNAP/LT BLK AS MANUFACTURED BY GLOBAL TRUSS OR SIMILAR. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
612	MINERAL WOOL INSULATION
613	PLATFORM, REFER TO S201 FOR ADDITIONAL INFORMATION
614	AIR DIFFUSER W/ PAINT 1 (PT-1). REFER TO SHEET AI600
617	SOUND BATT INSULATION
619	AIR DUCT W/ PAINT 1 (PT-1). REFER TO SHEET AI600.
620	EXISTING FIRE SPRINKLER PIPING W/ PAINT 1 (PT-1). REFER TO SHEET AI600.

KEY PLAN



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STATE OF CALIFORNIA

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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC REVISIONS
	09/17/25	PC RD 2 SUBMITTAL

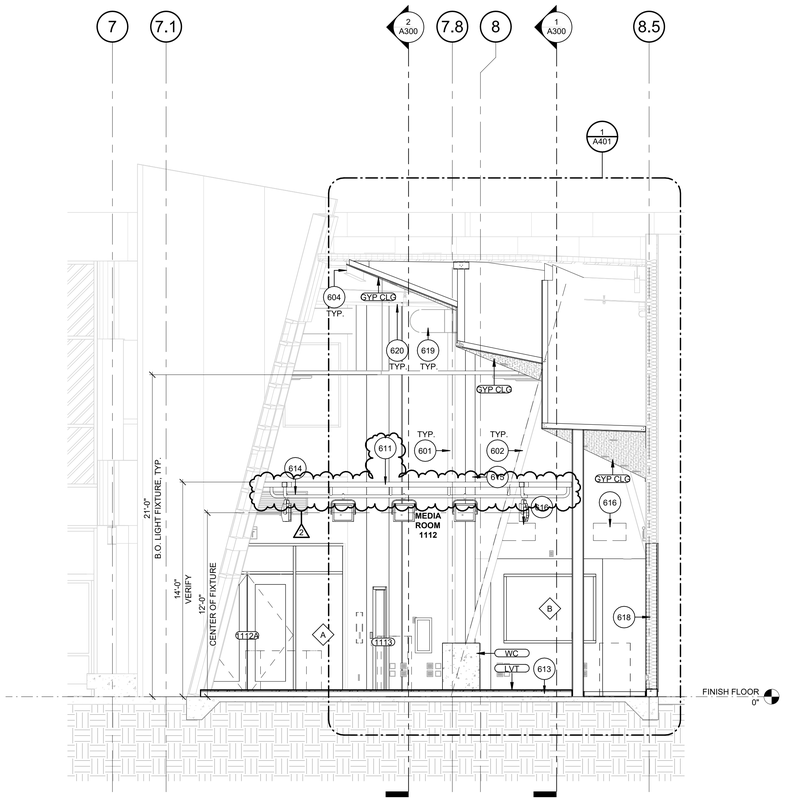
PROJECT NO.: ONT.010

SHEET TITLE:

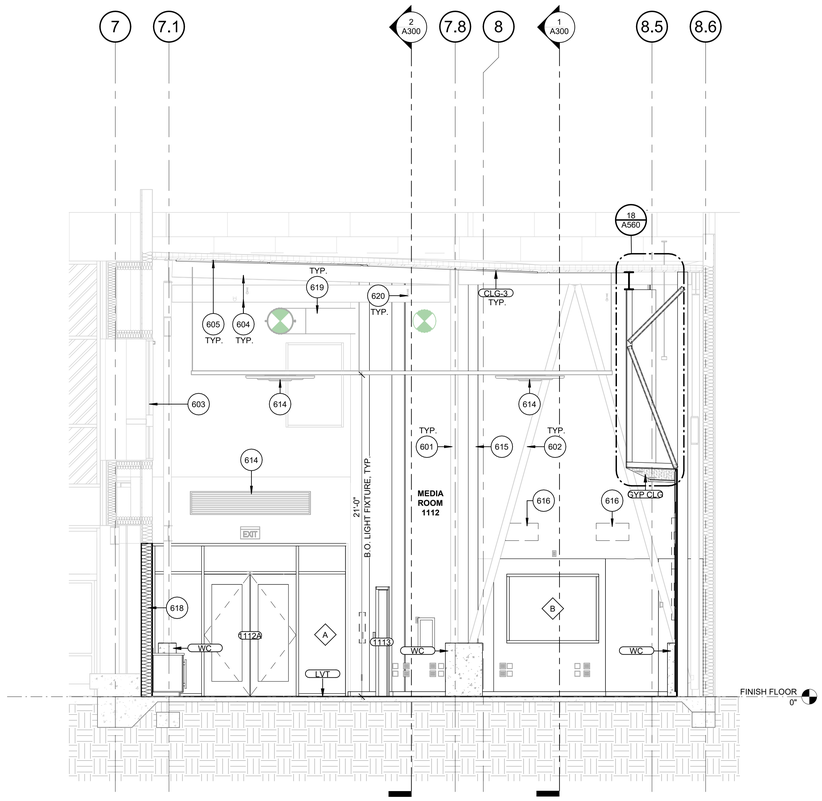
BUILDING SECTIONS

SHEET NO.:

A300



1 NORTH-SOUTH - MEDIA ROOM 1112 - 1
1/4" = 1'-0"



2 NORTH-SOUTH - MEDIA ROOM 1112 - 2
1/4" = 1'-0"

LEGEND

NOT USED

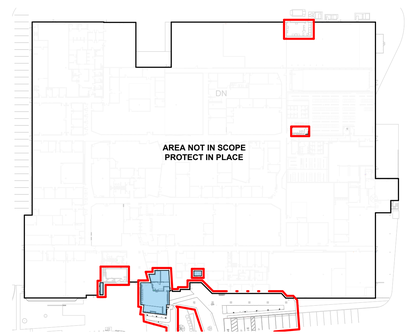
GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
2. REFER TO **1/S505** FOR INTERIOR CEILING JOIST SCHEDULE.
3. REFER TO AI SERIES SHEETS AND MATERIAL SCHEDULES FOR ADDITIONAL INFORMATION ON MATERIALS AND FINISHES.
4. REFER TO **A600** AND **A601** FOR DOOR, WINDOW AND WALL SCHEDULES.
5. ALL PARTIAL HEIGHT FRAMED WALLS REQUIRE BRACING TO STRUCTURE, REFER TO STRUCTURAL SHEETS **S502**, **S503**, **S504**, AND **S505** FOR WALL FRAMING DETAILS.
6. ALL PLUMBING, MECHANICAL, ELECTRICAL, STUCTURAL AND OTHER ITEMS INCLUDING BUT NOT LIMITED TO DUCTS, CONDUITS, PIPES, ACCESS PANELS, ETC. , VISIBLE IN EXPOSED OR OPEN CELL CEILING AREAS ARE TO BE PAINTED. REFER TO FINISH PLANS AND SCHEDULES FOR ADDITIONAL INFORMATION.
7. EXPOSED CONCRETE STEM WALLS TO RECEIVE SACK AND PATCH FINISH, TYPICAL WHERE OCCURS.
8. CONTRACTOR TO PATCH / REPAIR GYPSUM BOARD (AND SUBSTRATE) AS REQUIRED FOR IMPROVEMENTS AND ASSOCIATED INFASTRUCTURE, REFER TO MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR ADDT'L INFORMATION. PATCH SHALL MATCH ADJACENT CONDITION.

KEY NOTES

601	EXISTING COLUMN W/ ACCENT PAINT 2 (PT-2). REFER TO SHEET AI600.
602	EXISTING STRUCTURAL BRACING W/ ACCENT PAINT 2 (PT-2). REFER TO SHEET AI600.
603	EXISTING WINDOW / STOREFRONT SYSTEM
604	EXISTING BEAM W/ ACCENT PAINT 2 (PT-2). REFER TO SHEET AI600.
605	EXISTING CORRUGATED METAL ROOF W/ PAINT 1 (PT-1). REFER TO SHEET AI600.
611	CUSTOM LIGHT TRUSS SYSTEM WITH PAINT FINISH (PT-3), PROVIDE 12 CABLE MANAGEMENT CLAMPS MODEL #DT-SNAPLT BLK AS MANUFACTURED BY GLOBAL TRUSS OR SIMILAR. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
613	PLATFORM, REFER TO S201 FOR ADDITIONAL INFORMATION
614	AIR DIFFUSER W/ PAINT 1 (PT-1). REFER TO SHEET AI600
615	EXPANSION JOINT COVER, REFER TO A550 FOR ADDITIONAL INFORMATION
616	PATCH AND REPAIR GYP BOARD IN LOCATION OF DEMOLISHED AIR DIFFUSER
618	R-30 BATT INSULATION
619	AIR DUCT W/ PAINT 1 (PT-1). REFER TO SHEET AI600.
620	EXISTING FIRE SPRINKLER PIPING W/ PAINT 1 (PT-1). REFER TO SHEET AI600.

KEY PLAN



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CONSULTANT:

STAMPS:

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STATE OF CALIFORNIA

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FOR
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Sep 23, 2025
BPR CONSULTING GROUP

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PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:
ONTARIO POLICE DEPARTMENT

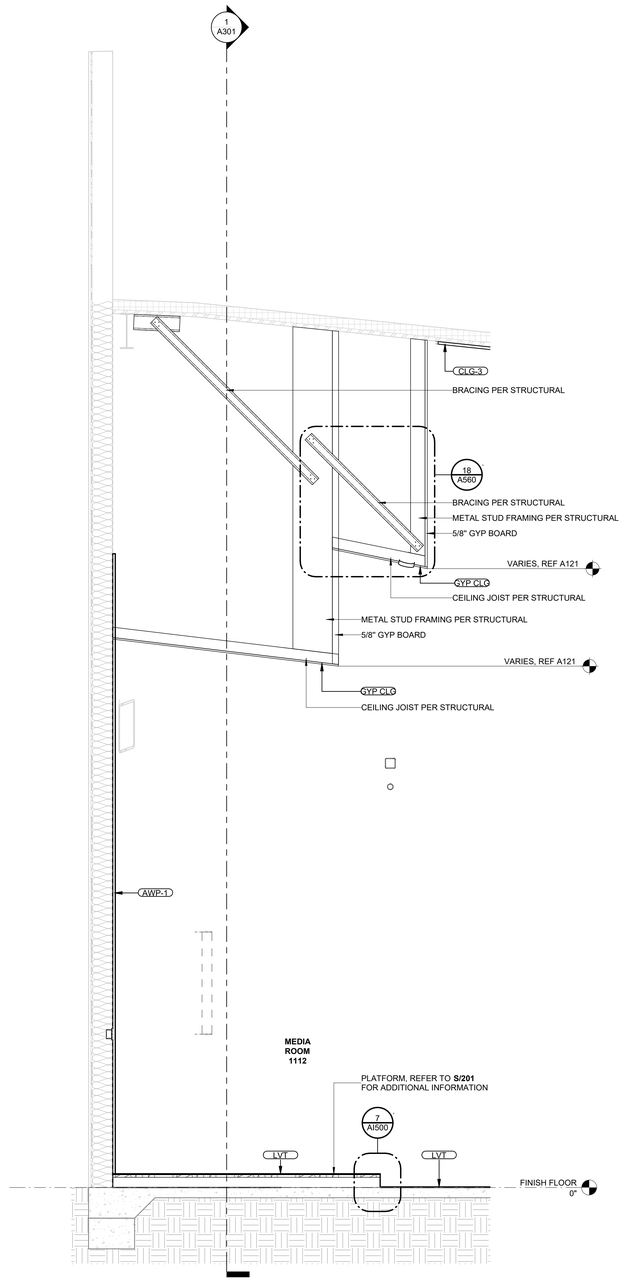
CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC REVISIONS
	09/17/25	PC RD 2 SUBMITTAL

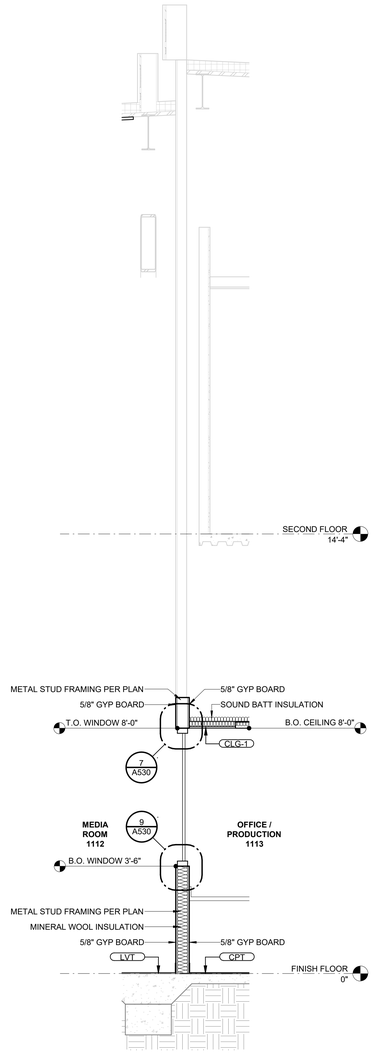
PROJECT NO.: ONT.010

SHEET TITLE:
BUILDING SECTIONS

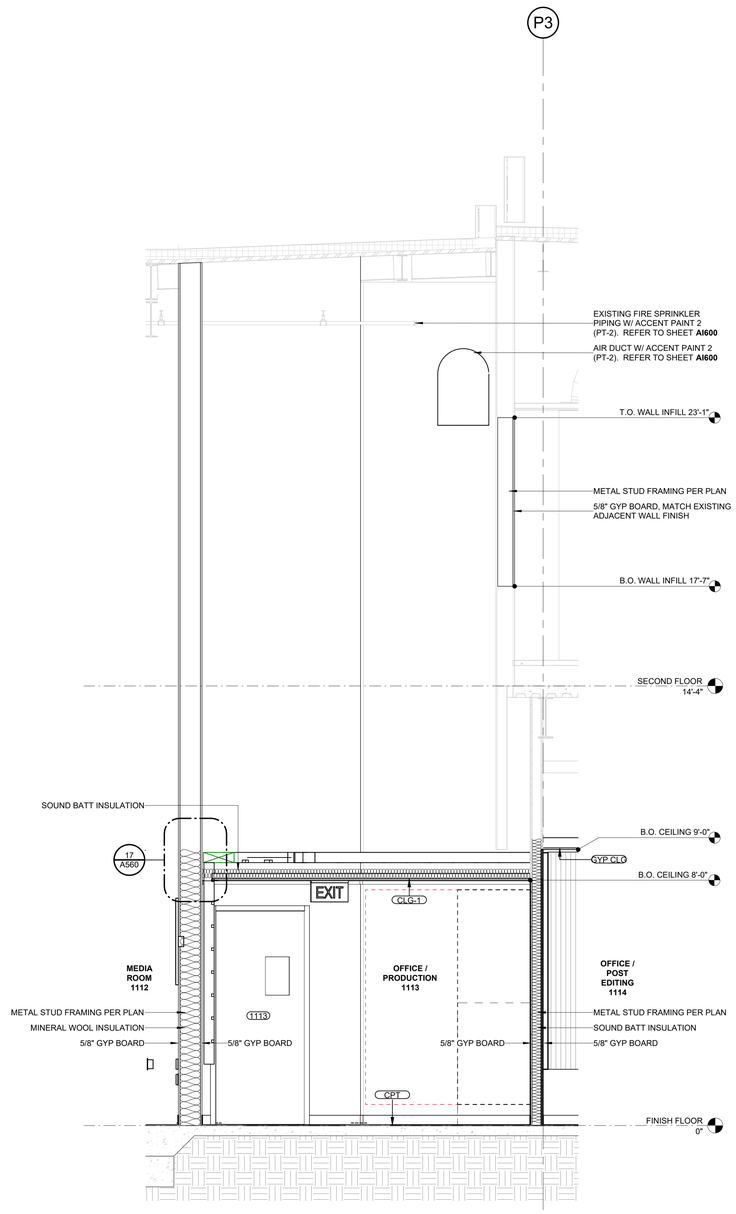
SHEET NO.:
A301



1 WALL SECTION #1
1/2" = 1'-0"



2 WALL SECTION #2
1/2" = 1'-0"



3 WALL SECTION #3
1/2" = 1'-0"

LEGEND

NOT USED

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
2. REFER TO STRUCTURAL PLANS FOR INTERIOR CEILING JOIST SCHEDULE.
3. REFER TO AI SERIES SHEETS AND MATERIAL SCHEDULES FOR ADDITIONAL INFORMATION ON MATERIALS AND FINISHES.
4. REFER TO **A600** AND **A601** FOR DOOR, WINDOW AND WALL SCHEDULES.
5. ALL PARTIAL HEIGHT FRAMED WALLS REQUIRE BRACING TO STRUCTURE, REFER TO STRUCTURAL SHEETS **S502**, **S503**, **S504**, AND **S505** FOR WALL FRAMING DETAILS.
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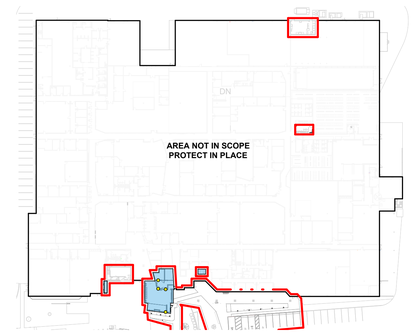
7. EXPOSED CONCRETE STEM WALLS TO RECEIVE SACK AND PATCH FINISH, TYPICAL WHERE OCCURS.

KEY NOTES

NOT USED

KEY PLAN



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C-37028
EXP. 08/31/2027
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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

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ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

WALL SECTIONS

SHEET NO.:

A400

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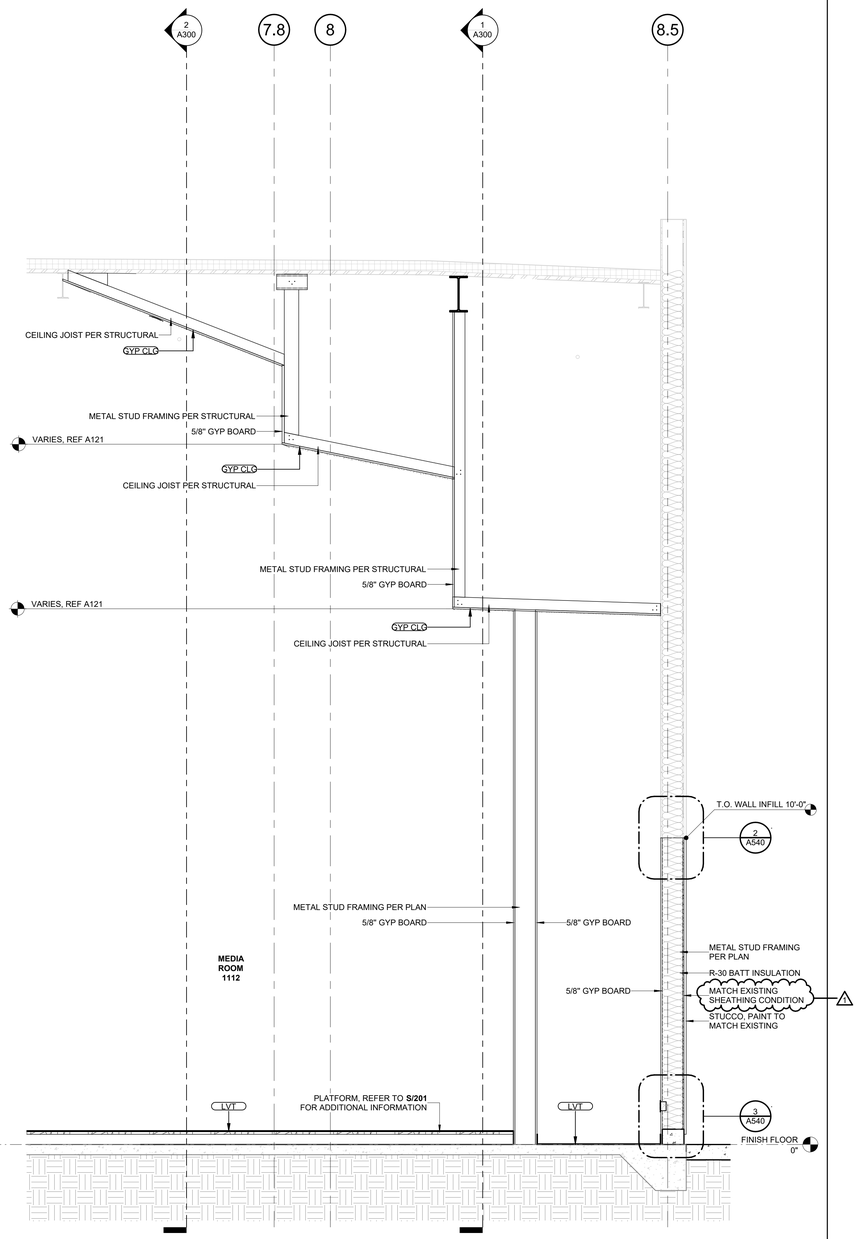
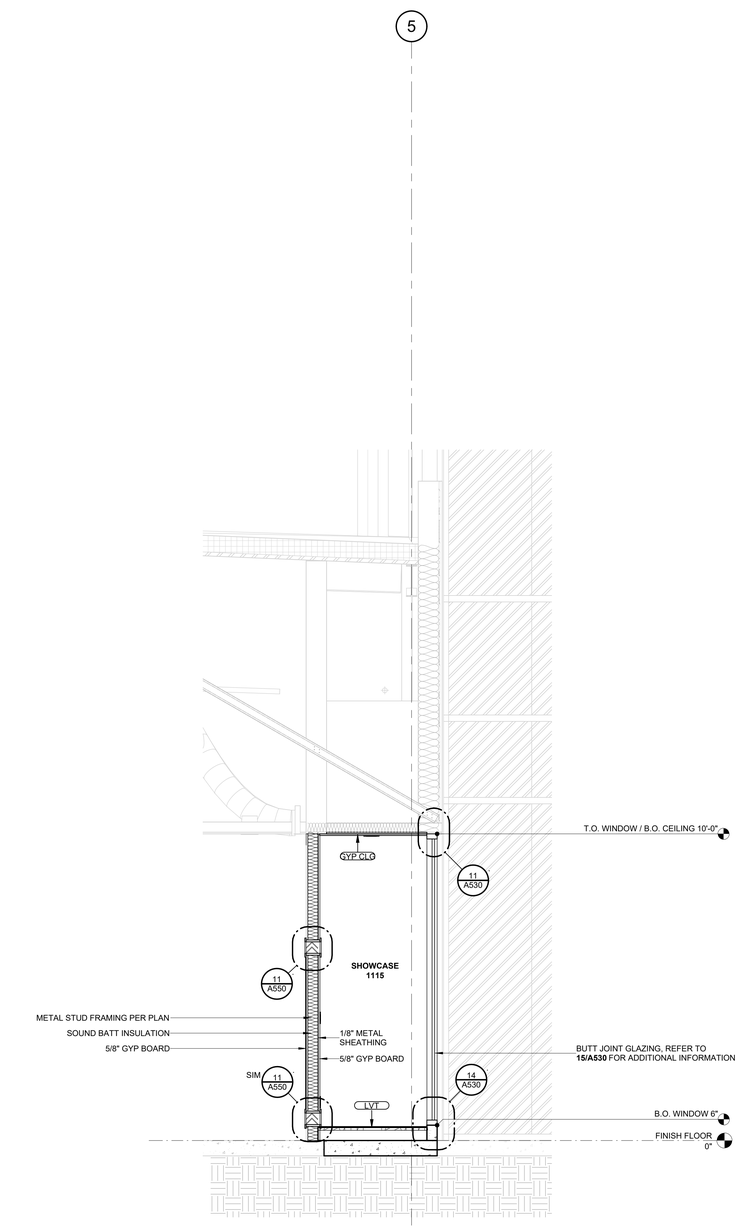


1 WALL SECTION #5
1/2" = 1'-0"



2 WALL SECTION #6
1/2" = 1'-0"

NOT USED

LEGEND

NOT USED

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
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3. REFER TO AI SERIES SHEETS AND MATERIAL SCHEDULES FOR ADDITIONAL INFORMATION ON MATERIALS AND FINISHES.
4. REFER TO **A600** AND **A601** FOR DOOR, WINDOW AND WALL SCHEDULES.
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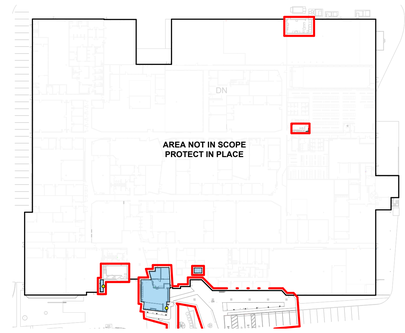
7. EXPOSED CONCRETE STEM WALLS TO RECEIVE SACK AND PATCH FINISH, TYPICAL WHERE OCCURS.

KEY NOTES

NOT USED

KEY PLAN



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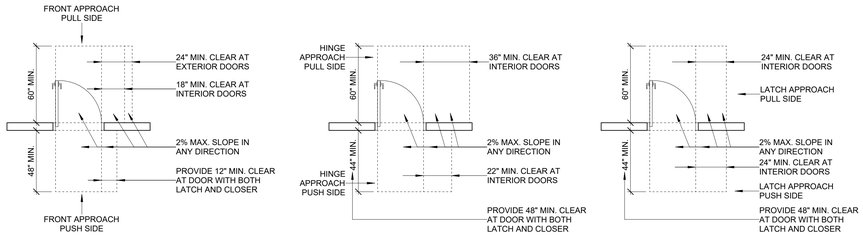
MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 COMMENTS
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

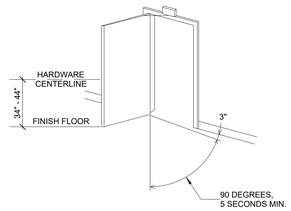
SHEET TITLE:
WALL SECTIONS

SHEET NO.:
A401



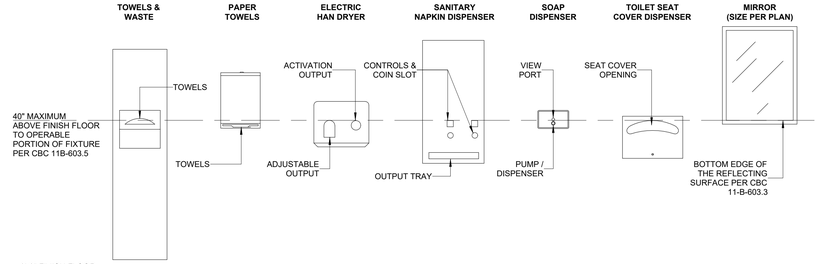
FRONT APPROACH **HINGE APPROACH** **LATCH APPROACH**

1 DOOR CLEAR AREA REQUIREMENTS
1/4" = 1'-0"



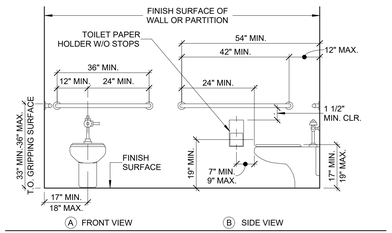
NOTE:
1. DOOR CLOSER, SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM PER CBC 11B-404.2.8.1.

3 DOOR CLOSER REQUIREMENTS
1/4" = 1'-0"



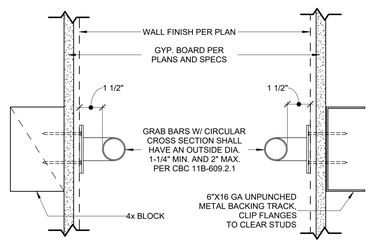
NOTE:
1. SOME ITEMS MAY BE NOT USED ON THIS PROJECT. REFER TO ENLARGED PLANS, INTERIOR ELEVATIONS, AND PROJECT SPECIFICATIONS FOR SPECIFIC ITEMS.

4 ACCESSORIES MOUNTING HEIGHT
3/4" = 1'-0"



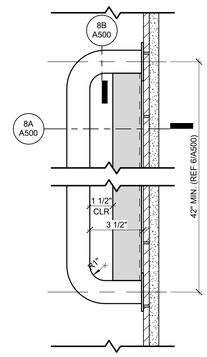
NOTE:
1. THE CONTROLS FOR THE FLUSH VALVE SHALL:
   - A. BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST, PER CBC 11B-309.4.
   - B. BE MOUNTED ON THE OPEN SIDE OF THE WATER CLOSET AND SHALL BE LOCATED 44" MAX. A.F.F., PER CBC 11B-604.6.
   - C. HAVE AN ACTIVATING FORCE OF FIVE POUNDS MAXIMUM TO ACTIVATE, PER CBC 11B-309.4.

6 ACCESSIBLE STALL ELEVATION
1/2" = 1'-0"

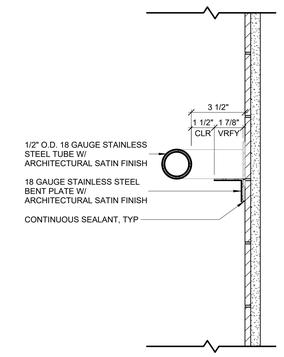


NOTE:
1. GRAB BAR SHALL BE ABLE TO SUPPORT A 250 LB. LOAD PER CBC 11B-609.8.
2. PROVIDE TWO ANCHORING SCREWS ON TOP AND ONE ANCHORING ON BOTTOM.
3. METAL BACKING TRACK SHALL BE CONTINOUS OVER THREE STUDS MINIMUM, ATTACHED WITH FOUR #10 SMS EACH STUD, TYPICAL.

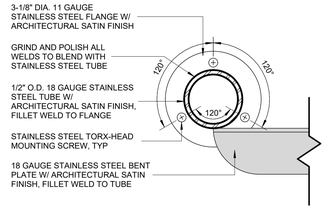
7 GRAB BAR MOUNTING
3" = 1'-0"



8 CUSTOM GRAB BAR
3" = 1'-0"



8A CUSTOM GRAB BAR - SECTION 1
3" = 1'-0"



NOTE:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION
2. GRAB BAR SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES PER CBC 11B-609.5.
3. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE OR SUPPORTING STRUCTURE PER CBC 11B-609.8
4. REFER TO **7/A500** FOR BACKING INFORMATION

8B CUSTOM GRAB BAR - SECTION 2
6" = 1'-0"

NOT USED

NOT USED NOT USED NOT USED NOT USED NOT USED NOT USED NOT USED NOT USED NOT USED NOT USED

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STAMPS:

LICENSED ARCHITECT
MATTHEW CHARLES ACTON
C-37028
REN: 08/31/2027
STATE OF CALIFORNIA

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED FOR CODE COMPLIANCE
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Date: 09/29/2025 4:33:00 PM

CLIENT:
ONTARIO POLICE DEPARTMENT

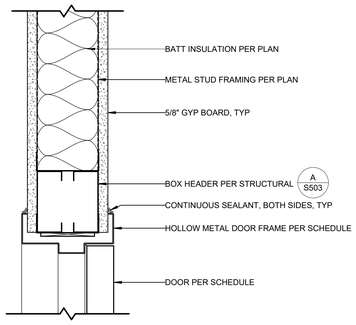
CLIENT PROJECT NO.: DA023-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

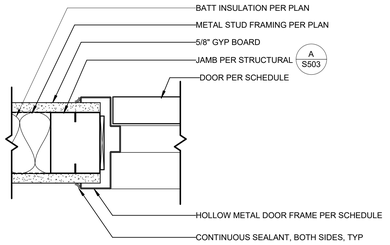
PROJECT NO.: ONT.010

SHEET TITLE:
TYPICAL ACCESSIBILITY DETAILS

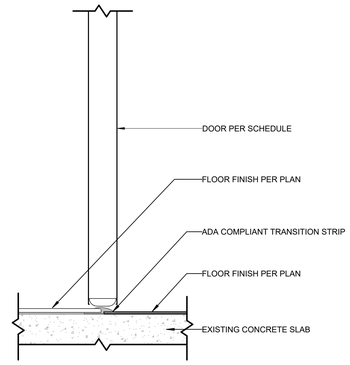
SHEET NO.:
A500



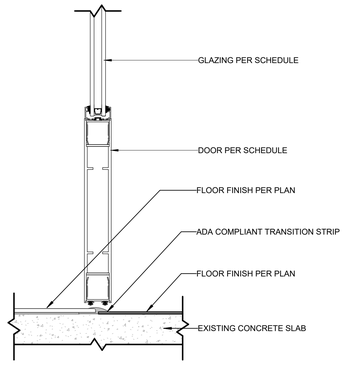
1 TYPICAL INT HM DOOR @ HEAD
3" = 1'-0"



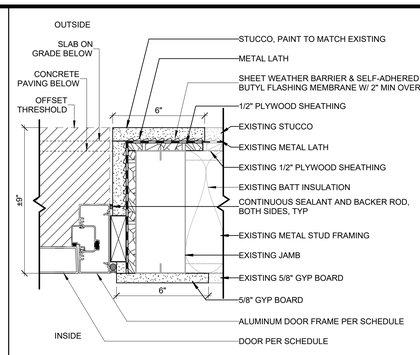
2 TYPICAL INT HM DOOR @ JAMB
3" = 1'-0"



3 TYPICAL INT HM DOOR @ THRESHOLD
3" = 1'-0"

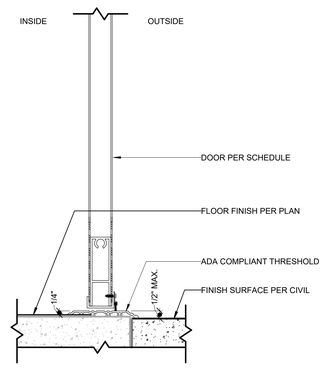


4 TYPICAL INT AL DOOR @ THRESHOLD
3" = 1'-0"

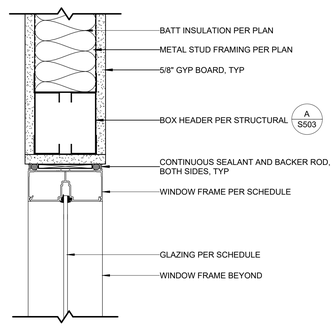


5 TYPICAL EXT AL DOOR @ JAMB
3" = 1'-0"

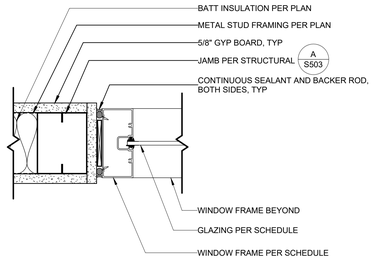
NOTES:
1. SIMILAR AT OPPOSITE SIDE (AT WALL IN-FILL), REFER TO **1/SS03** ADDITIONAL INFORMATION



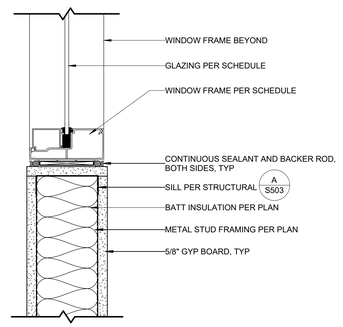
6 TYPICAL EXT AL DOOR @ THRESHOLD
3" = 1'-0"



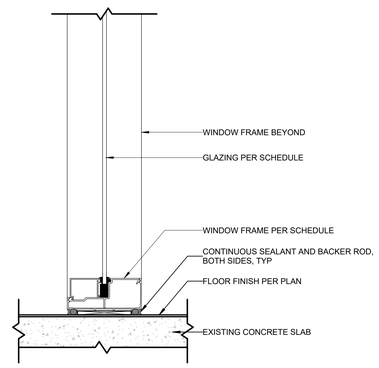
7 TYPICAL INT AL WINDOW FRAME @ HEAD
3" = 1'-0"



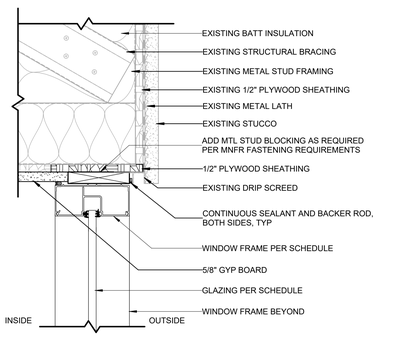
8 TYPICAL INT AL WINDOW FRAME @ JAMB
3" = 1'-0"



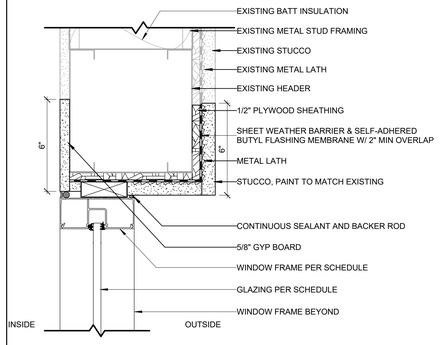
9 TYPICAL INT AL WINDOW FRAME @ SILL
3" = 1'-0"



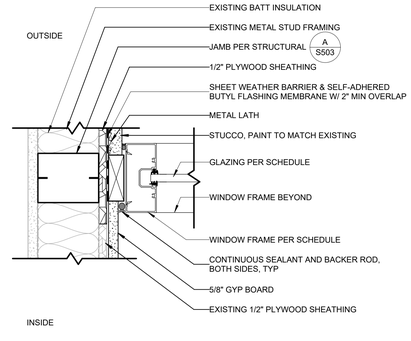
10 TYPICAL INT AL WINDOW FRAME @ FLOOR
3" = 1'-0"



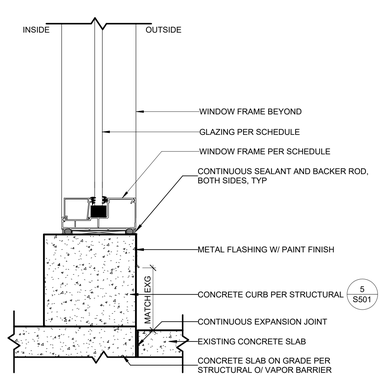
11 EXT AL WINDOW FRAME @ HEAD - DISPLAY CASE
3" = 1'-0"



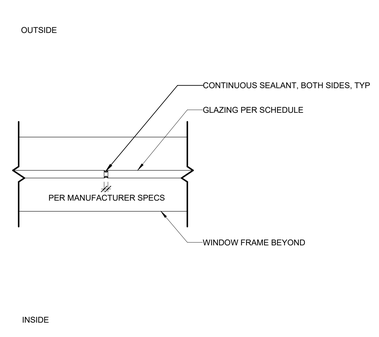
12 EXT AL WINDOW FRAME @ HEAD - EGRESS DOOR TRANSOM
3" = 1'-0"



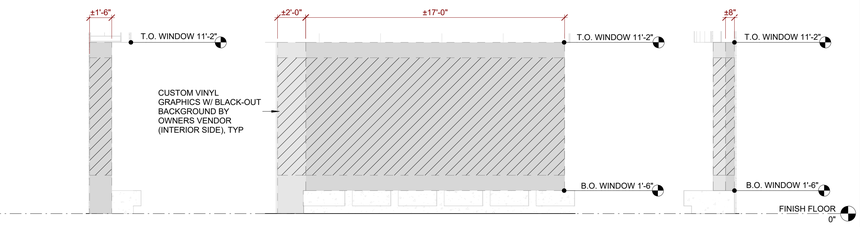
13 TYPICAL EXT AL WINDOW FRAME @ JAMB
3" = 1'-0"



14 TYPICAL EXT AL WINDOW FRAME @ SILL
3" = 1'-0"



15 TYPICAL EXT GLAZING @ BUTT JOINT
3" = 1'-0"



16A EXT GLAZING GRAPHICS - NORTH
1/4" = 1'-0"

16B EXT GLAZING GRAPHICS - WEST
1/4" = 1'-0"

16C EXT GLAZING GRAPHICS - SOUTH
1/4" = 1'-0"

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REN. 08/31/2026
STATE OF CALIFORNIA

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FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

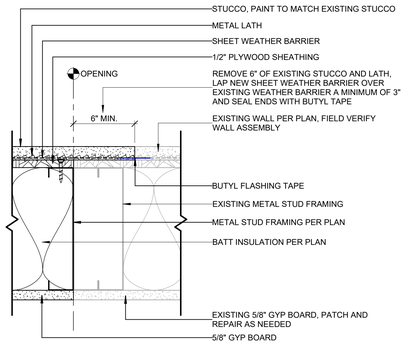
PROJECT NO.: ONT.010

SHEET TITLE:

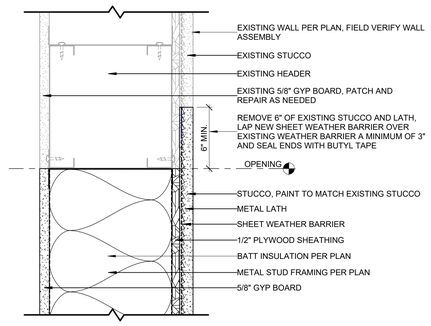
TYPICAL DOOR & WINDOW DETAILS

SHEET NO.:

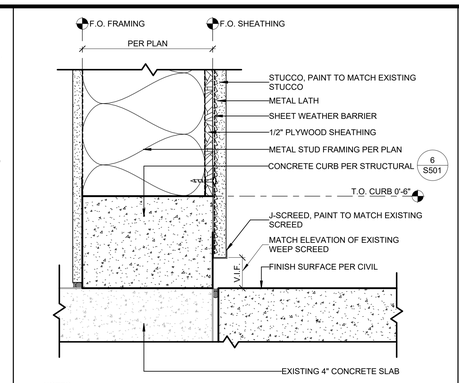
A530



1 INFILL AT EXTERIOR STUCCO WALL ASSEMBLY - JAMB
3" = 1'-0"

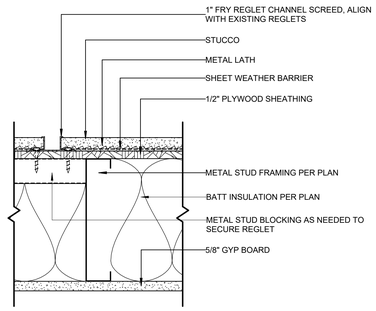


2 INFILL AT EXTERIOR STUCCO WALL ASSEMBLY - HEAD
3" = 1'-0"



NOTES:
1. COORDINATE REGLET PLACEMENT TO ALIGN WITH EXISTING REGLET LOCATIONS

3 INFILL AT EXTERIOR STUCCO WALL ASSEMBLY - CURB
3" = 1'-0"



4 REGLET AT STUCCO WALL ASSEMBLY
3" = 1'-0"

NOT USED

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CONSULTANT:

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STATE OF CALIFORNIA

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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

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CLIENT:
ONTARIO POLICE DEPARTMENT

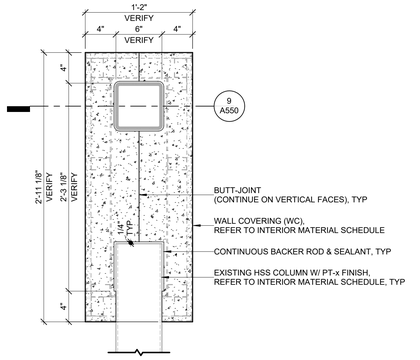
CLIENT PROJECT NO.: DA\223-A17

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

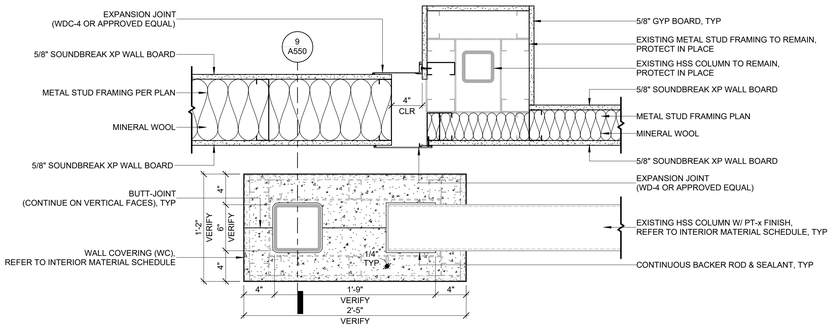
PROJECT NO.: ONT.010

SHEET TITLE:
TYPICAL EXTERIOR BUILDING DETAILS

SHEET NO.:
A540

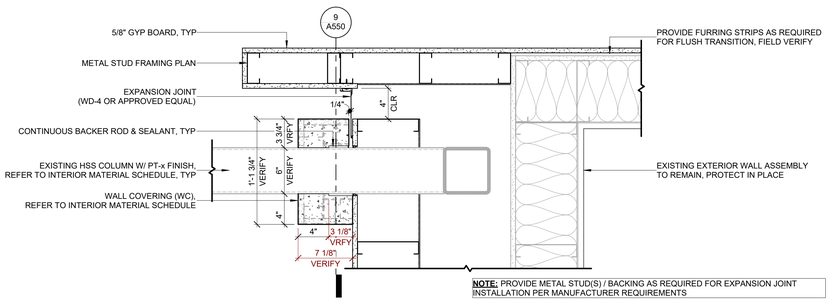


1 PILASTER PLAN 1
1 1/2" = 1'-0"



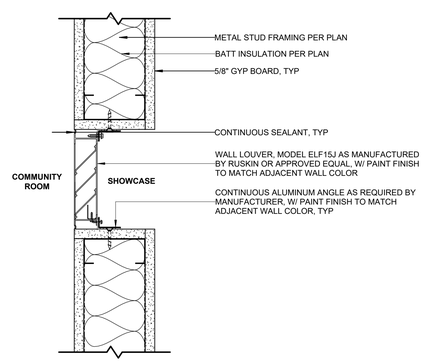
NOTE: PROVIDE METAL STUD(S) / BACKING AS REQUIRED FOR EXPANSION JOINT INSTALLATION PER MANUFACTURER REQUIREMENTS

2 PILASTER PLAN 3
1 1/2" = 1'-0"

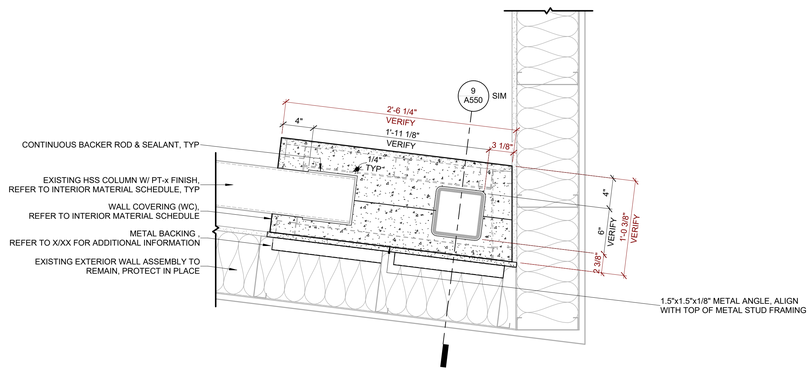


NOTE: PROVIDE METAL STUD(S) / BACKING AS REQUIRED FOR EXPANSION JOINT INSTALLATION PER MANUFACTURER REQUIREMENTS

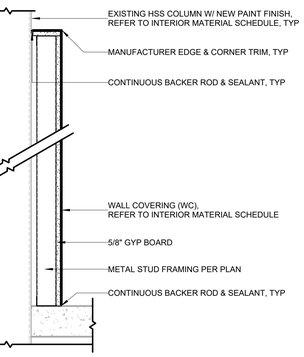
4 PILASTER PLAN 4
1 1/2" = 1'-0"



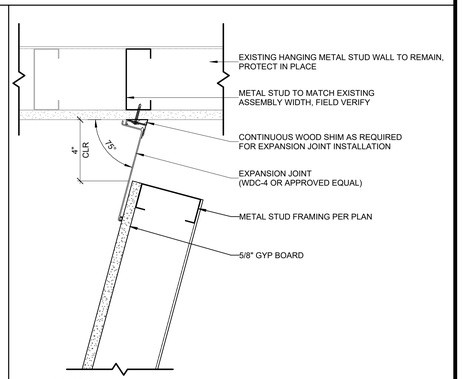
6 PILASTER PLAN 2
1 1/2" = 1'-0"



7 PILASTER PLAN 5
1 1/2" = 1'-0"



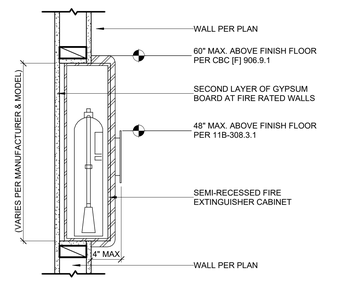
9 TYPICAL PILASTER SECTION
1 1/2" = 1'-0"



NOTES:
1. PROVIDE METAL STUD(S) / BACKING AS REQUIRED FOR EXPANSION JOINT INSTALLATION PER MANUFACTURER REQUIREMENTS

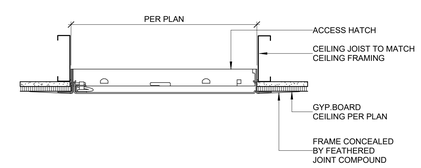
10 EXPANSION JOINT AT ANGLED SOFFIT
3" = 1'-0"

11 SHOWCASE LOUVER
3" = 1'-0"



NOTES:
1. CONFORM TO ALL REQUIREMENTS OF #10 NFPA, TITLE 19 CCR & LOCAL FIRE MARSHAL REQUIREMENTS.

12 FIRE EXTINGUISHER CABINET, SEMI-RECESSED
1 1/2" = 1'-0"



NOTES:
1. CEILING JOISTS TO BE PROVIDED ON ALL FOUR (4) SIDES OF ACCESS PANEL OPENING WHEN PANEL IS 24" x 24" OR BIGGER.

13 NON-RATED CEILING ACCESS PANEL
1 1/2" = 1'-0"

14 OPD SEAL
1 1/2" = 1'-0"

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

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STAMPS:

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Sep 23, 2025
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PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
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Date: 09/29/2025 4:33:00 PM

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

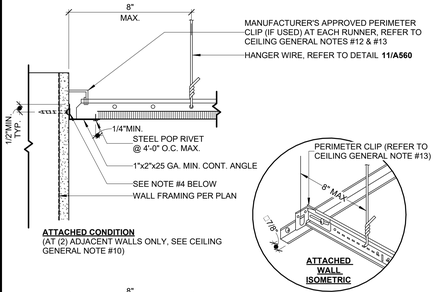
PROJECT NO.: ONT.010

SHEET TITLE:

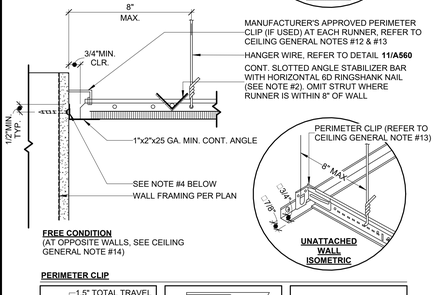
TYPICAL INTERIOR
BUILDING DETAILS

SHEET NO.:

A550

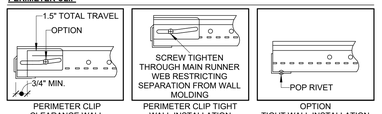


ATTACHED CONDITION
(AT (2) ADJACENT WALLS ONLY, SEE CEILING GENERAL NOTE #10)



FREE CONDITION
(AT OPPOSITE WALLS, SEE CEILING GENERAL NOTE #14)

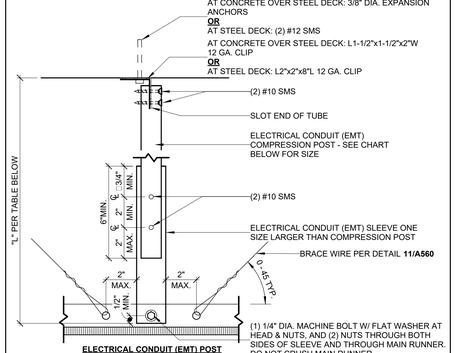
PERIMETER CLIP



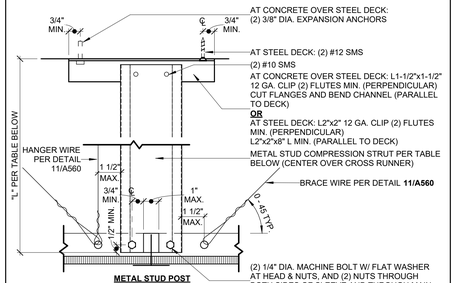
PERIMETER CLIP CLEARANCE WALL INSTALLATION (FREE CONDITION) | PERIMETER CLIP TIGHT WALL INSTALLATION (ATTACHED CONDITION) | OPTION TIGHT WALL INSTALLATION (ATTACHED CONDITION)

NOTES:
1. PROVIDE 12 GA. HANGER WIRES AT ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN 8" OF SUPPORT OR WITH 1/4 LENGTH OF END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF CEILING AREA. PERIMETER WIRES NOT REQUIRED WHEN LENGTH OF END TEE IS 8" OR LESS.
2. NAILS AT ENDS OF HORIZONTAL STABILIZERS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTER LINE OF SPAN OF STRUT.
3. STABILIZER BAR MAY BE SLOTTED APPROVED ANGLES OR CHANNELS WITH "DIAMOND POINTS" OF SPRING STEEL WHICH SNAP TIGHT TO PREVENT MOVEMENT OF STRUT.
4. FASTEN ANGLE TO WALL STUD OR BLOCKING AS FOLLOWS:
   A. METAL STUD (20 GA. MIN.) WALL: (1) #10 SMS @ 24" O.C. MAX.
   B. WOOD STUD WALL: #10x2" LONG WOOD SCREW @ 16" O.C. MAX.

6 SUSPENDED CEILING AT WALL
3" = 1'-0"



(1) 1/4" DIA. MACHINE BOLT W/ FLAT WASHER AT HEAD & NUTS, AND (2) NUTS THROUGH BOTH SIDES OF SLEEVE AND THROUGH MAIN RUNNER. DO NOT CRUSH MAIN RUNNER

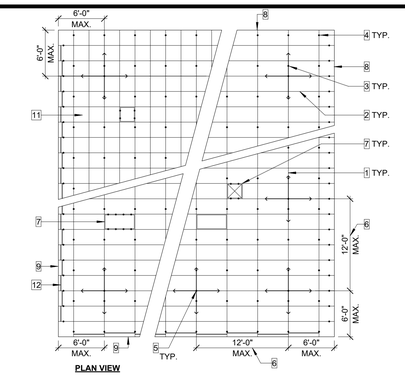


(2) 1/4" DIA. MACHINE BOLT W/ FLAT WASHER AT HEAD & NUTS, AND (2) NUTS THROUGH BOTH SIDES OF SLEEVE AND THROUGH MAIN RUNNER. DO NOT CRUSH MAIN RUNNER

COMPRESSION POST CHART

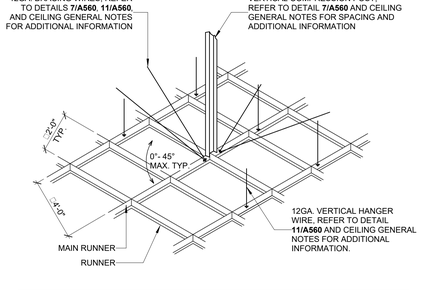
COMPRESSION POST	MAX. LENGTH
1/2" DIA. EMT (.042" WALL THICKNESS)	3'-11"
3/4" DIA. EMT (.049" WALL THICKNESS)	6'-4"
1" DIA. EMT (.057" WALL THICKNESS)	9'-9"
1-1/4" DIA. EMT (.065" WALL THICKNESS)	12'-9"
1-1/2" DIA. EMT (.065" WALL THICKNESS)	14'-9"
2" DIA. EMT (.065" WALL THICKNESS)	18'-10"
250S125-33	5'-10"
250S137-33	6'-10"
362S137-33	8'-0"
250S137-43	8'-10"
400S137-43	10'-10"

7 COMPRESSION POST
3" = 1'-0"



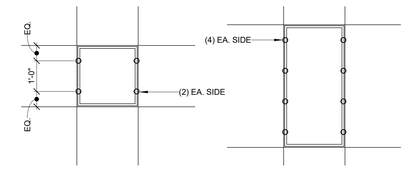
KEYNOTES:
1. MAIN RUNNER @ 48" O.C. MAXIMUM
2. CROSS RUNNER @ 24 O.C. MAXIMUM
3. 12GA. HANGER WIRES @ 48" O.C. MAXIMUM REFER TO CEILING GENERAL NOTES #2, #3, #4, #5 AND DETAILS ON THIS SHEET.
4. 12GA. HANGER WIRE 8" OR 1/4 LENGTH OF TEE FROM WALL. REFER TO CEILING GENERAL NOTE #9
5. 12GA. SPLAYED BRACING WIRES & COMPRESSION POST. REFER TO CEILING GENERAL NOTE #6 AND DETAIL **7/A560**
6. FOR SPACING OF BRACING WIRES IN ESSENTIAL SERVICE FACILITIES, REFER TO CEILING GENERAL NOTE #7.
7. LIGHT FIXTURES & HVAC GRILLES, REFER TO CEILING GENERAL NOTE #7 AND DETAIL **9/A560**
8. CEILING GRID MEMBER ATTACHED TO WALL AT TWO ADJACENT WALLS ONLY. REFER TO CEILING GENERAL NOTES #10, #11, #14 AND DETAIL **6/A560**
9. CEILING GRID MEMBER NOT ATTACHED AT OPPOSITE WALLS. REFER TO ACT CEILING GENERAL NOTES #10, #11, #14 AND DETAIL **6/A560**
10. HANGER WIRE AND BRACING WIRE ATTACHMENT TO STRUCTURE. REFER TO ACT CEILING GENERAL NOTE #3, #4 AND DETAIL **11/A560**
11. SAME CRITERIA AS NOTED ABOVE ARE APPLICABLE AT 24" x 24" GRID
12. STABILIZER BARS, CROSS TEES OR STRUTS 8" MAX. FROM WALL ALONG FREE JOINTS, REFER TO CEILING GENERAL NOTE #14

8 SUSPENDED CEILING LAYOUT
1/8" = 1'-0"



NOTES:
1. REFER TO DETAILS THIS SHEET FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. REFER TO CEILING GENERAL NOTES THIS SHEET FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. COMPRESSIONS STRUTS SHALL NOT REPLACE HANGER WIRES.

4 ISOMETRIC OF SUSPENDED CEILING GRID
3" = 1'-0"



NOTES:
1. SEE SUSPENDED ACT CEILING GENERAL NOTE #7 FOR ADDITIONAL INFORMATION.

9 ATTACHMENT OF LIGHT & AIR TERMINALS
1/2" = 1'-0"

ACOUSTIC CEILING NOTES

THE DESIGN AND INSTALLATION OF SUSPENDED ACOUSTICAL CEILING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS CONTAINED IN ASTM STANDARD E580 AND THE FOLLOWING ADDITIONAL REQUIREMENTS AS NOTED.

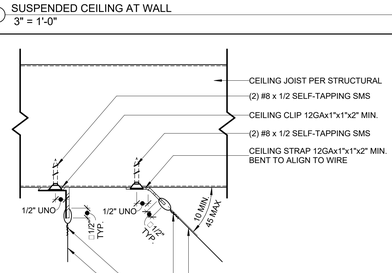
FOR ESSENTIAL SERVICE BUILDINGS, DESIGN AND INSTALLATION OF SUSPENDED ACOUSTICAL CEILING SYSTEMS SHALL COMPLY WITH DIVISION OF THE STATE ARCHITECT (DSA) INTERPRETATION OF REGULATIONS (IR) 25-3 AND THE FOLLOWING REQUIREMENTS.

THESE NOTES AND THE DETAILS ON THIS SHEET ARE APPLICABLE TO STANDARD SUSPENDED ACOUSTICAL CEILING SYSTEMS WHOSE TOTAL WEIGHT INCLUDING AIR CONDITIONING GRILLES AND LIGHT FIXTURES DOES NOT EXCEED FOUR POUNDS PER SQUARE FOOT (4 PSF,) AND WHICH DO NOT SUPPORT LATERAL LOADS FROM PARTITIONS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING THE SUSPENDED ACOUSTICAL CEILING SYSTEM.

A. IN BUILDINGS OTHER THAN PUBLIC SCHOOLS AND ESSENTIAL SERVICE FACILITIES, CEILING AREAS 1,000 SF OR LESS SHALL BE EXEMPT FROM THE LATERAL FORCE REQUIREMENTS (NOTE #5 BELOW.)

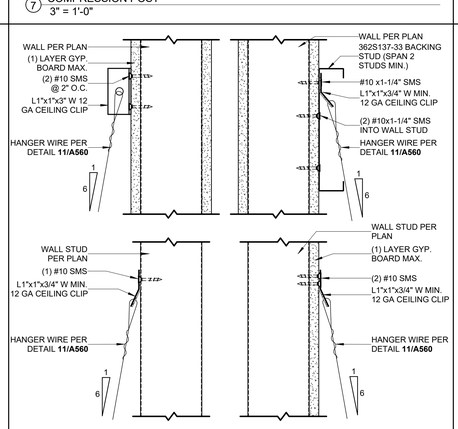
B. IN BUILDINGS OTHER THAN PUBLIC SCHOOLS AND ESSENTIAL SERVICE FACILITIES, CEILINGS LESS THAN OR EQUAL TO 144 SF AND SURROUNDED BY WALLS CONNECTED TO THE STRUCTURE ABOVE ARE EXEMPT FROM THE REQUIREMENTS BELOW.
   1. IN PUBLIC SCHOOLS OR ESSENTIAL SERVICE FACILITIES, LATERAL FORCE REQUIREMENTS MAY BE OMITTED FOR CEILINGS LESS THAN OR EQUAL TO 144 SF WHEN LATERAL RESTRAINT IS PROVIDED AT ALL PERIMETER WALLS IN ACCORDANCE WITH CBC SECTION 1617A.1.21, ITEM #4.

1. PERIMETER SUPPORT ANGLE SHALL SUPPLY A SUPPORT LEDGE OF NOT LESS THAN 2".
2. SUSPENSION WIRES SHALL NOT BE SMALLER THAN 12-GAUGE AND SPACED UP TO 4'-0" X 4'-0" GRID SPACING ATTACHED TO MAIN RUNNERS.
3. EACH VERTICAL WIRE SHALL BE ATTACHED TO THE CEILING SUSPENSION MEMBER AND TO THE SUPPORT ABOVE SUCH THAT THE WIRE LOOPS SHALL BE TIGHTLY WRAPPED. WIRE MUST BE WRAPPED AROUND ITSELF A MIN. OF (3) FULL TURNS WITH 3" LENGTH.
4. SUSPENSION WIRES SHALL NOT HANG MORE THAN (1) IN (6) OUT OF PLUMB UNLESS COUNTERSLOPING WIRES ARE PROVIDED.
5. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. A TRAPEZE OR EQUIVALENT DEVICES SHALL BE USED WHERE OBSTRUCTIONS PRECLUDE DIRECT SUSPENSION. SEPARATE ALL CEILING HANGER AND BRACING WIRES 6" MIN. FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC...
6. LATERAL FORCE BRACING REQUIREMENTS:
   A. HORIZONTAL RESTRAINTS SHALL BE EFFECTED BY (4) 12-GAUGE WIRES SECURED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS RUNNER INTERSECTION AND SPLAYED 90 DEGREES FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING. A COMPRESSION STRUT FASTENED TO THE MAIN RUNNER AT THE LOCATION OF THE BRACING WIRES SHALL BE EXTENDED TO AND FASTENED TO THE STRUCTURAL MEMBERS SUPPORTING THE ROOF OR FLOOR ABOVE. THESE HORIZONTAL RESTRAINT POINTS SHALL BE PLACED 12'-0" X 12'-0" MAX GRID SPACING WITH THE FIRST POINT WITHIN 6'-0" FROM EACH WALL.
      a. RIGID BRACES THAT HAVE BEEN DESIGNED (STAMPED BY A LICENSED ENGINEER) TO LIMIT RELATIVE LATERAL DEFLECTIONS AT THE POINT OF ATTACHMENT OF THE CEILING GRID TO LESS THAN 1/4" ARE PERMITTED TO BE USED IN PLACE OF DIAGONAL SPLAY WIRES.
      b. FOR ESSENTIAL SERVICE BUILDINGS, REFER TO DSA IR 25-2 FOR ADDITIONAL REQUIREMENTS.
   B. LATERAL FORCE BRACING MEMBERS SHALL BE SPACED 6" MIN. FROM ALL HORIZONTAL PIPING OR DUCT WORK THAT IS NOT PROVIDED WITH BRACING RESTRAINTS FOR HORIZONTAL FORCES.
   C. UNLESS RIGID BRACING IS USED TO LIMIT LATERAL DEFLECTIONS TO LESS THAN 1/4", SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT OF 1" MIN. IN ALL HORIZONTAL DIRECTIONS.
7. LIGHT FIXTURES:
   A. ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEM BY MECHANICAL MEANS PER CALIFORNIA ELECTRICAL CODE (CEC.) A MINIMUM OF (2) #8 SMS SCREWS OR APPROVED FASTENERS CAPABLE OF RESISTING A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE ARE REQUIRED AT EACH FIXTURE. FOR 24" LONG FIXTURES, INSTALL ON EACH OF THE (2) OPPOSITE SIDES OF THE FIXTURE (2) SCREWS, SPACED 12" APART (4 SCREWS TOTAL PER FIXTURE.) FOR 48" LONG FIXTURES, INSTALL ON EACH OF THE (2) OPPOSITE SIDES OF THE FIXTURE (4) SCREWS, SPACED 12" APART (8 SCREWS TOTAL PER FIXTURE.) INSTALL SCREWS ON LONG SIDES OF RECTANGULAR FIXTURES. SEE DETAIL **9/A560**.
   B. SURFACE-MOUNTED FIXTURES SHALL BE ATTACHED TO THE CEILING SUSPENSION SYSTEM WITH POSITIVE CLAMPING DEVICES (14-GAUGE STEEL MIN.) THAT COMPLETELY SURROUND THE SUPPORTING MEMBERS. SAFETY WIRES SHALL BE ATTACHED BETWEEN CLAMPING DEVICE AND THE ADJACENT CEILING HANGER OR THE STRUCTURE ABOVE.
   C. FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LBS. SHALL HAVE (1) 12-GAUGE SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. FIXTURES WEIGHING GREATER THAN 10 LBS. BUT LESS THAN 56 LBS SHALL HAVE (2) 12-GAUGE SAFETY WIRES CONNECTED FROM THE FIXTURE TO THE STRUCTURE ABOVE.
   D. PENDANT-HUNG LIGHTING FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN 9-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT.
   E. RIGID CONDUIT SHALL NOT BE USED FOR ATTACHMENT OF THE FIXTURES.
8. SERVICES WITHIN THE CEILING:
   A. CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING LESS THAN OR EQUAL TO 20 LBS. SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION MAIN RUNNERS OR TO CROSS RUNNERS THAT HAVE THE SAME CARRYING CAPACITY AS THE MAIN RUNNERS.
      a. CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 20 LBS. BUT LESS THAN OR EQUAL TO 56 LBS. SHALL ALSO HAVE (2) 12-GAUGE SAFETY WIRES CONNECTED FROM THE TERMINAL OR SERVICE TO THE CEILING SYSTEM HANGERS OR TO THE STRUCTURE ABOVE.
9. PROVIDE 12-GAUGE MIN. HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT INCHES (8") OF THE SUPPORT OR WITHIN 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER HANGER WIRE IS NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS 8" OR LESS.
10. CEILING GRID MEMBERS SHALL BE ATTACHED TO (2) ADJACENT WALLS (ATTACHED CONDITION) PER ASTM E580 SECTION 5.2.3 AND FIGURE 4. CEILING GRID MEMBERS SHALL BE AT LEAST 3/4" CLEAR OF PERIMETER WALL ANGLES ON THE OTHER WALLS (FREE CONDITION) PER ASTM E580 SECTION 5.2.3 AND FIGURE 5.
11. IF A WALL OR MULTIPLE WALLS ARE SPECIFIED IN A PLAN CONFIGURATION THAT IS NOT ORTHOGONAL TO THE CEILING GRID SYSTEM, THE RUNNER TO WALL CONNECTIONS SHALL BE AS FOLLOWS.
   A. AT LEAST 2 ADJACENT PERIMETER WALLS SHALL BE CONNECTED TO THE CEILING GRID AS ATTACHED.
   B. MAIN RUNNERS SHALL BE ORIENTED IN THE DIRECTION THAT FACILITATES AT LEAST ONE END BEING CONNECTED TO A "ATTACHED" WALL CONDITION.
   C. (1) END OF EACH MAIN RUNNER SHOULD BE FREE AND CLEAR OF WALL AS REQUIRED GENERAL NOTE #10 ABOVE.
   D. OPPOSITE ENDS OF SOME CROSS RUNNER LINES MAY HAVE THE SAME WALL CONNECTION TYPE (ATTACHED OR FREE.) THIS IS PERMITTED WITH NON-ORTHOGONAL CONFIGURATIONS, BUT THE NUMBER OF CROSS RUNNER LINES WITH LIKE CONNECTIONS AT EACH END SHOULD BE MINIMIZED.
12. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 2" EXCEPT AS ALLOWED BY NOTE #13 BELOW.
13. USE OF ANGLES WITH WIDTHS LESS THAN 2" IN CONJUNCTION WITH QUALIFIED PROPRIETARY PERIMETER CLIPS MAY BE ACCEPTABLE.
   A. CLOSURE ANGLES SHALL BE SCREWED OR OTHERWISE POSTIVELY ATTACHED TO THE WALL STUDS OR BLOCKING.
   B. PROPRIETARY PERIMETER CLIPS SHALL BE ATTACHED TO THE SUPPORTING CLOSURE ANGLE WITH (2) SCREWS MIN. PER CLIP.
   C. PROPRIETARY PERIMETER CLIPS SHALL BE INSTALLED AROUND THE ENTIRE CEILING PERIMETER EXCEPT THAT A STEEL POP RIVET MAY BE USED AT THE ATTACHED SIDES IN LIEU OF CLIPS WHEN PERMITTED BY EVALUATION REPORT.
14. AT THE UNATTACHED WALLS (FREE CONDITION) OF THE CEILING PERIMETER PROVIDE INTERCONNECTION BETWEEN THE RUNNERS TO PREVENT LATERAL SPREADING PER ASTM E580 SECTION 5.2.4. A METAL STABILIZER OR 16-GAUGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED AND PLACED WITHIN 8" OF THE WALL. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 8" OR LESS, THE STABILIZER OR 16-GAUGE WIRE IS NOT REQUIRED. THE USE OF PROPRIETARY CLIPS TO ELIMINATE THE INSTALLATION OF SPREADER BARS IS ACCEPTABLE.
15. HANGER AND BRACING WIRE ANCHORAGE TO STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHORAGE ALIGNS CLOSELY WITH THE DIRECTION OF THE WIRE.
16. PROVIDE ADDITIONAL HANGERS, STRUTS, AND BRACE ASSEMBLIES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.
17. FOR CEILING AREAS EXCEEDING 2,500 SF, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2,500 SF IN ACCORDANCE WITH ASTM E580 SECTION 5.2.9.
18. FREE-FLOATING CEILINGS SUPPORTED BY WIRES PER THESE REQUIREMENTS SHALL BE BRACED IN ACCORDANCE WITH GENERAL NOTE #6 ABOVE.

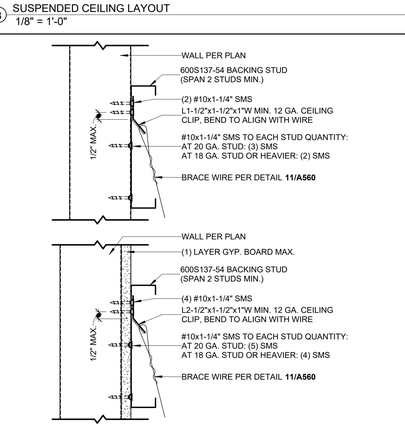


NOTES:
1. REFER TO ACT CEILING NOTES THIS SHEET FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

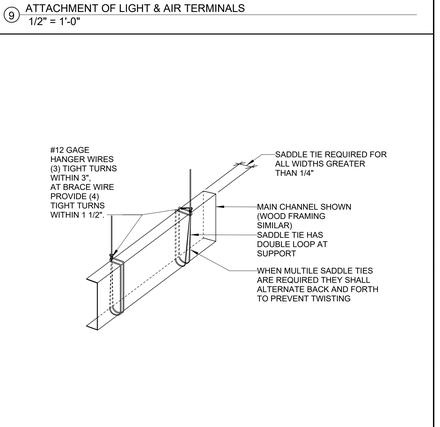
11 HANGER AND BRACE WIRE CONNECTIONS TO CEILING JOIST
6" = 1'-0"



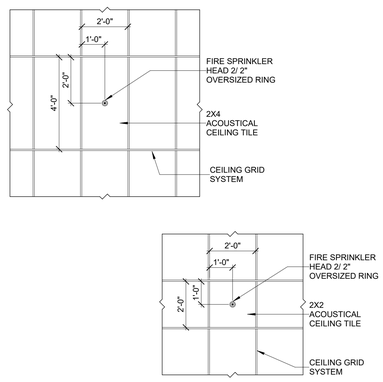
12 HANGER WIRE CONNECTION TO STUD WALL
3" = 1'-0"



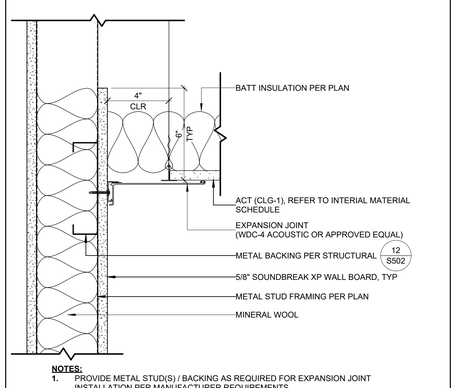
13 BRACE WIRE CONNECTION TO STUD WALL
3" = 1'-0"



14 TYPICAL SADDLE TIE DETAIL
3" = 1'-0"

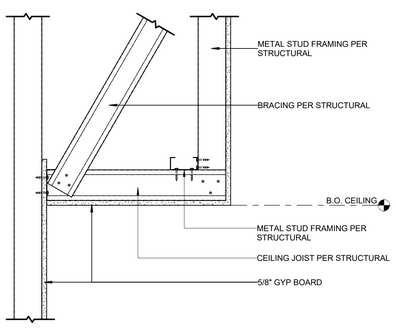


16 FIRE SPRINKLER PLACEMENT
3/8" = 1'-0"



NOTES:
1. PROVIDE METAL STUD(S) / BACKING AS REQUIRED FOR EXPANSION JOINT INSTALLATION PER MANUFACTURER REQUIREMENTS

17 EXPANSION JOINT AT ACT
3" = 1'-0"



NOTES:
1. REFER TO 5 S504 FOR ADDITIONAL INFORMATION ON STRUCTURAL BRACING.

18 TYPICAL SOFFIT SECTION
1 1/2" = 1'-0"

NOT USED

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STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit any violation of the regulations of the applicable codes or ordinances of the City of Ontario.
Date: 09/29/2025 4:33:00 PM

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
TYPICAL INTERIOR CEILING DETAILS

SHEET NO.:
A560

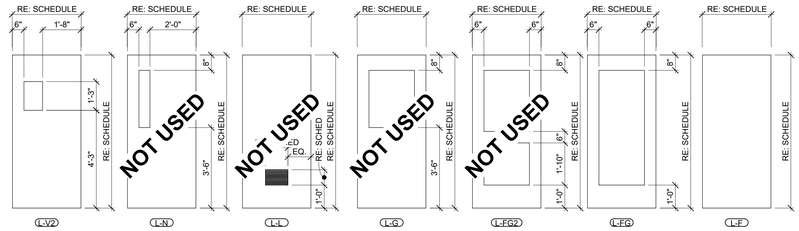
DOOR SCHEDULE

LOCATION			LEAF INFORMATION								FRAME INFORMATION			HW SET	ELECTRIFIED HW	FIRE RATING (MIN.)	COMMENTS
MARK	FROM	TO	LEAF-1 TYPE	LEAF-2 TYPE	LEAF-1 WIDTH	LEAF-2 WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	MATERIAL	FINISH				
1112A	MEDIA ROOM	PUBLIC LOBBY	L-FG	L-FG	3'-0"	3'-0"	8'-0"	1 3/4"	AL	CLAN	F-02	AL	CLAN	2		0	
1112B	MEDIA ROOM	ONE-HOUR RATED LOBBY	L-V2		3'-0"		8'-0"	1 3/4"	SCW	STFN	F-02	HM	PTFN-I2	4	Yes	45	CARD READER BOTH SIDES
1113	MEDIA ROOM	OFFICE / PRODUCTION	L-V2		3'-0"		7'-0"	1 3/4"	SCW	PLAM	F-02	HM	PTFN-I2	3	Yes	0	CARD READER
1114	OFFICE / PRODUCTION	OFFICE / POST EDITING	L-V2		3'-0"		7'-0"	1 3/4"	SCW	PLAM	F-02	HM	PTFN-I2	5		0	
1902	OFFICE / PRODUCTION	OFFICE	L-F		3'-0"		7'-0"	1/2"	GI-3	N/A	N/A	N/A	N/A	6		0	SLIDING DOOR
E1112A	MEDIA ROOM		L-V2		3'-0"		8'-0"	1 3/4"	AL	CLAN	F-02	AL	CLAN	1		0	EGRESS ONLY HARDWARE

NOTES:

1. PROVIDE GI-1 GLAZING AT DOORS 1112A, 1113, 1114
2. PROVIDE GI-2 GLAZING AT DOOR1112B
3. PROVIDE GE-1 GLAZING AT DOOR E1112A

DOOR ELEVATIONS



DOOR GENERAL NOTES

1. REFER TO DIMENSIONAL FLOOR PLANS FOR DOOR OPENING LOCATIONS. ALL DOORS ARE TO BE LOCATED 4" FROM FACE OF ADJACENT WALL STUD UNLESS DIMENSIONED OTHERWISE ON PLANS.
2. ALL EXITS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT PER 2022 CBC SECTION 1010.1.9.
3. ALL DOORS, WINDOWS, AND OTHER JOINTS IN THE EXTERIOR WALLS OF A CLIMATE CONTROLLED SPACE SHALL BE FULLY INSULATED.
4. DOOR REQUIREMENTS: ALL HAND ACTIVATED LATCHING OR LOCKING DOORS SHALL HAVE LEVER TYPE HARDWARE CENTERED EQUAL TO OR GREATER THAN 34" BUT EQUAL OR LESS THAN 44" AFF. MAXIMUM EFFORT REQUIRED TO OPEN DOORS SHALL BE EQUAL TO OR LESS THAN 5# AT ALL DOORS. WHERE FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MINIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY (SAN BERNARDINO COUNTY FIRE DEPARTMENT.) NOT TO EXCEED 15#. COMPENSATING DEVICES OF AUTOMATIC DOORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS.
5. DOORS SHALL BE OPERABLE WITH A SINGLE EFFORT.
6. LOWER 10" OF ALL DOORS TO BE SMOOTH AND UNINTERRUPTED TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION PER CBC SECTION 11B-404.2.10.
7. DOOR CLOSER REQUIREMENTS, REFER TO DETAIL **3/A500**.
8. DOOR CLEAR SPACE REQUIREMENTS, REFER TO DETAIL **1/A500**.
9. INTERIOR MATERIAL SCHEDULE, AND OPENINGS MATERIAL SCHEDULE FOR ADDITIONAL FINISH INFORMATION.
10. DOORS, GATES, AND SIDE LITES ADJACENT TO DOORS OR GATES CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS, HAVE THE BOTTOM OF AT LEAST ONE GLAZED PANEL LOCATED 43" MAX. AFF PER CBC SECTION 11B-404.2.11.
11. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE FINAL DOOR AND WINDOW FRAME THROAT SIZES PRIOR TO ORDERING.
12. CENTER OF ALL INTERIOR STOREFRONT WINDOWS TO BE ALIGNED TO CENTER OF STUD, UNLESS OTHERWISE NOTED.
13. AT DOORS REQUIRED TO HAVE ELECTRIFIED HARDWARE, REFER TO DETAILS **4 & 6/T401** FOR ADDITIONAL INFORMATION.

ABBREVIATIONS

GLAZING

GE-1	EXTERIOR GLAZING - 1" INSULATED - TINTED - TEMPERED
GE-2	EXTERIOR GLAZING - 9/16" - CLEAR - TEMPERED - LAMINATED
GI-1	INTERIOR GLAZING - 1/4" - CLEAR - TEMPERED
GI-2	INTERIOR GLAZING - THICKNESS AS REQUIRED FOR RATING - CLEAR - TEMPERED - FIRE-RATED
GI-3	INTERIOR GLAZING - 1/2" - CLEAR - TEMPERED

MATERIAL

HM:	HOLLOW METAL
AL:	ALUMINUM
SCW:	SOLID CORE WOOD

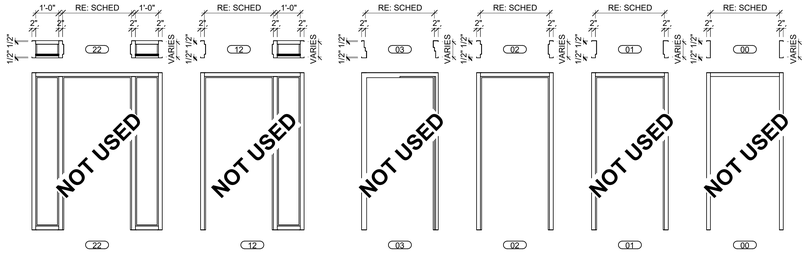
FINISH

CLAN:	CLEAR ANODIZED ALUMINUM
PTFN:	PAINT FINISH
STFN:	STAIN FINISH
PLAM:	PLASTIC LAMINATE FINISH

DOOR FRAME SCHEDULE

FRAME TYPE	FRAME WIDTH	DOOR WIDTH	FRAME HEIGHT	DOOR HEIGHT	COUNT
F-02	3'-4"	3'-0"	<varies>	<varies>	4
F-02	6'-4"	6'-0"	8'-2"	8'-0"	1

DOOR FRAME ELEVATIONS



WINDOW SCHEDULE

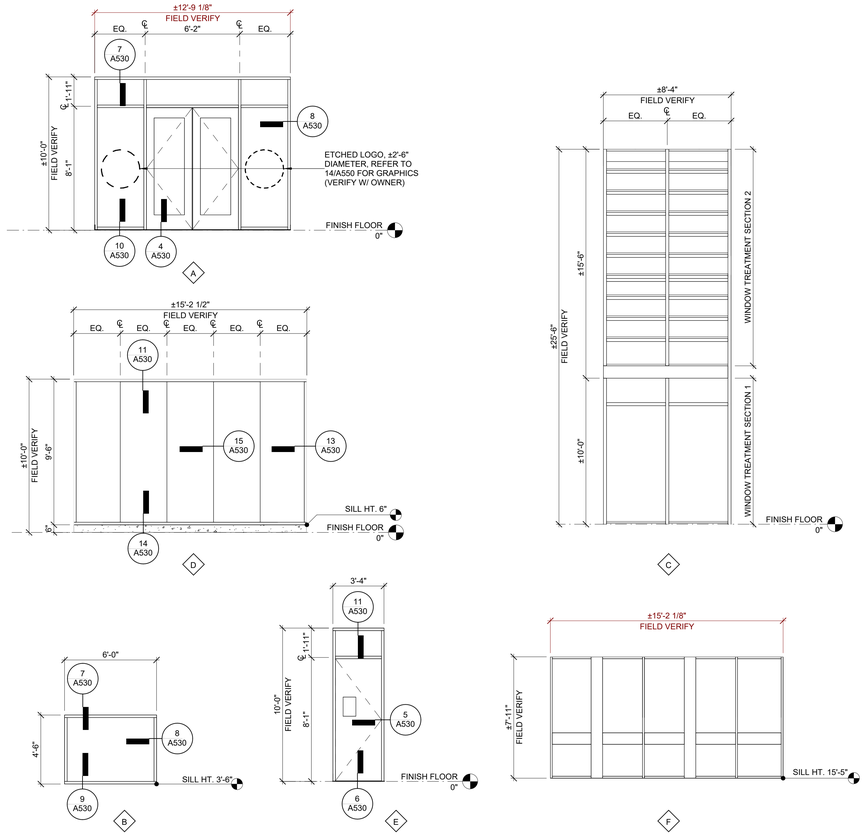
MARK	WIDTH	HEIGHT	SILL HEIGHT	FRAME MATERIAL	FRAME FINISH	GLAZING TYPE	WINDOW TREATMENT	FIRE RATING (MIN.)	COMMENTS	COUNT
A	13'-5 37/128"	10'-0" 0"		AL	CLAN	GI-1	N/A		ETCHED GLAZING	1
B	6'-0"	4'-6" 3'-6"		AL	CLAN	GI-1	YES		WINDOW TREATMENT 4 (WT-4)	1
D	15'-2 1/2"	9'-6" 6"		AL	CLAN	GE-2	N/A		CURB	1
E	3'-4"	10'-0" 0"		AL	CLAN	GE-1	YES		WINDOW TREATMENT 3 (WT-3)	1
										4

NOTES:

1. REFER TO WINDOW ELEVATIONS FOR WINDOW TYPE C. WINDOW SHALL RECEIVE WINDOW TREATMENT 1 (WT-1). REFER TO INTERIOR ELEVATION **4/AI200**
2. REFER TO WINDOW ELEVATIONS FOR WINDOW TYPE F. WINDOW SHALL RECEIVE WINDOW TREATMENT 1 (WT-2). REFER TO INTERIOR ELEVATION **4/AI200**

NOT USED

WINDOW ELEVATIONS



OPENINGS MATERIAL SCHEDULE

CSI#	KEY	DESCRIPTION	MANUFACTURER	STYLE/SERIES/FINISH	COLOR
08 11 25 - INTERIOR ALUMINUM DOORS AND FRAMES & 08 41 13 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS	CLAN	ALUMINUM DOOR/FRAME	ARCADIA, INC.	EXTERIOR SYSTEM: AG451T, INTERIOR SYSTEMS: AR450/AR450+	CLEAR ANODIZED
08 14 00 - WOOD DOORS	PLAM	PLASTIC LAMINATE FINISH-INTERIOR DOOR	FORTE OPENING SOLUTIONS	ASPIRO SERIES, HIGH PRESSURE DECORATIVE LAMINATE, WILSONART HPDL	PORTICO TEAK 8210K-28
08 14 00 - WOOD DOORS	STFN	STAIN FINISH-INTERIOR WOOD DOOR	FORTE OPENING SOLUTIONS	ASPIRO SERIES, SELECT WOOD VENEER, SPECIES: WHITE MAPLE (PLAIN SLICE)	BOURBON
08 80 00 - GLAZING	GE-1	EXTERIOR GLAZING TYPE 1, INSULATED GLASS UNIT	VITRO GLAZING	1 INCH INSULATED GLASS UNIT, SOLARBAN 70	TINT TO MATCH EXISTING GLAZING
08 80 00 - GLAZING	GE-2	EXTERIOR GLAZING TYPE 2, LAMINATED TEMPERED GLASS	VITRO GLAZING	9/16 INCH LAMINATED GLASS	CLEAR
08 80 00 - GLAZING	GI-1	INTERIOR GLAZING TYPE 1, NON-RATED	VITRO GLAZING	1/4 INCH MONOLITHIC TEMPERED GLASS	CLEAR
08 80 00 - GLAZING	GI-2	INTERIOR GLAZING TYPE 2, FIRE-RATED	VITRO GLAZING	THICKNESS AS REQUIRED FOR RATING TEMPERED GLASS	CLEAR
08 80 00 - GLAZING	GI-3	INTERIOR GLAZING TYPE 3, NON-RATED	VITRO GLAZING	1/2 INCH MONOLITHIC TEMPERED GLASS	CLEAR
09 90 00 - PAINTING	PTFN-I2	PAINT FINISH-INTERIOR HOLLOW METAL FRAME	SHERWIN WILLIAMS	SEMI-GLOSS, PRIME SUBSTRATE PER MANUFACTURER RECOMMENDATION	SW7070 SITE WHITE (257-C7)
12 20 00 - WINDOW TREATMENT	WT-1	WINDOW TREATMENT	DRAPER INC.	SKYLIGHT 2 FLEXSHADE MOTORIZED SHADE, SINGLE ROLLER, SURFACE MOUNT; FABRIC - E SCREEN, 5% OPEN	ANTIQUE PEARL #007500; CLEAR ANODIZED HARDWARE
12 20 00 - WINDOW TREATMENT	WT-2	WINDOW TREATMENT	DRAPER INC.	FLEXSHADE XL MOTORIZED SHADE, SINGLE ROLLER, SURFACE MOUNT; FABRIC - APAGON STYLE III 0% BLACKOUT	ANGR GREY; CLEAR ANODIZED HARDWARE
12 20 00 - WINDOW TREATMENT	WT-3	WINDOW TREATMENT	DRAPER INC.	120V AC MOTORIZED FLEXSHADE, SINGLE ROLLER, SURFACE MOUNT; FABRIC - APAGON STYLE III 0% BLACKOUT	ANGR GREY; CLEAR ANODIZED HARDWARE
12 20 00 - WINDOW TREATMENT	WT-4	WINDOW TREATMENT	DRAPER INC.	CLUTCH-OPERATED FLEXSHADE, SINGLE ROLLER, SURFACE MOUNT; FABRIC - E SCREEN, 3% OPEN	WHITE PEARL #007503; CLEAR ANODIZED HARDWARE

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EXP. 08/31/2027
STATE OF CALIFORNIA

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:10:00 PM

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC REVISIONS
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

DOOR & WINDOW SCHEDULES

SHEET NO.:

A600

NOT USED

NOT USED

WALL SCHEDULE

TYPE MARK	FINISH SIDE 1	SUBSTRATE SIDE 1	FRAMING MATERIAL	SUBSTRATE SIDE 2	FINISH SIDE 2	FIRE RATING (HR)	INSULATION TYPE	STC RATING	COMMENTS
EW-2	STUCCO	1 MATCH EXISTING SHEATHING CONDITION	8" METAL STUD	5/8" GYPSUM BOARD	---	0	T		VERIFY WALL ASSEMBLY - MATCH EXISTING
WM-1	---	5/8" GYPSUM BOARD	4" METAL STUD	---	---	0	X		
WM-2	---	5/8" GYPSUM BOARD	4" METAL STUD	5/8" GYPSUM BOARD	---	0	X		
WM-3	5/8" GYPSUM BOARD	SECURITY MESH	4" METAL STUD	5/8" GYPSUM BOARD	---	0	T		
WM-4	---	5/8" GYPSUM BOARD	2-1/2" METAL STUD	---	---	0	X		
WM-5	---	5/8" GYPSUM BOARD	3-5/8" METAL STUD	5/8" GYPSUM BOARD	---	0	S		VERIFY WALL ASSEMBLY - MATCH EXISTING
WM-12	---	5/8" GYPSUM BOARD	6" METAL STUD	5/8" GYPSUM BOARD	---	0	X		VERIFY WALL ASSEMBLY - MATCH EXISTING
WM-21	---	5/8" SOUNDBREAK XP WALL BOARD	4" METAL STUD	5/8" SOUNDBREAK XP WALL BOARD	---	0	S	43	UL DESIGN: U465 NGC:2016041
WM-22	---	5/8" GYPSUM BOARD	8" METAL STUD	---	---	0	T		
WM-22	---	5/8" GYPSUM BOARD	8" METAL STUD	---	---	0	X		
WM-23	---	5/8" GYPSUM BOARD	8" METAL STUD	5/8" GYPSUM BOARD	---	0	X		
WM-24	---	5/8" SOUNDBREAK XP WALL BOARD	8" METAL STUD	5/8" SOUNDBREAK XP WALL BOARD	---	0	S	43	UL DESIGN: U465 NGC:2016041

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FOR
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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

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ONTARIO POLICE DEPARTMENT

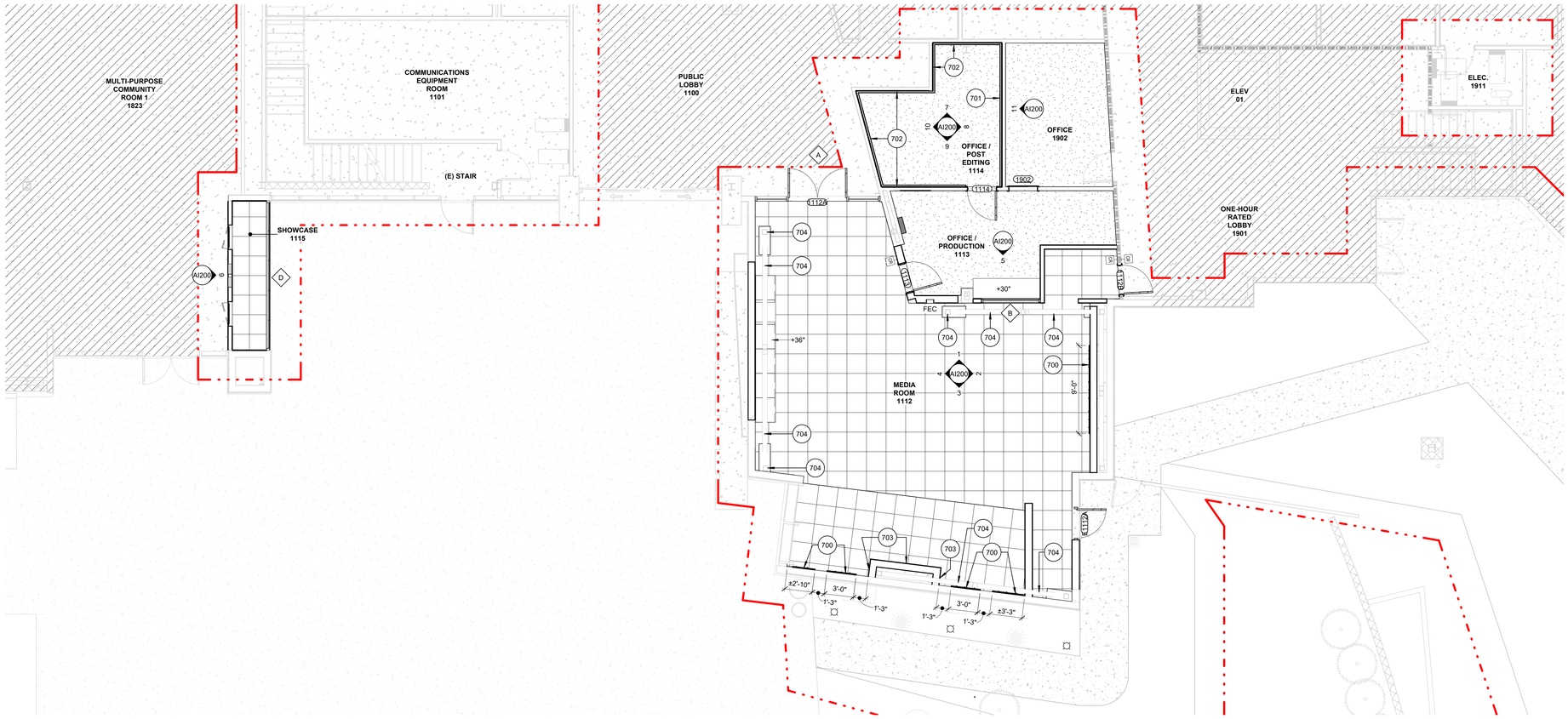
CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 COMMENTS
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
SCHEDULES

SHEET NO.:
A601



1 FIRST FLOOR - FINISH PLAN
3/16" = 1'-0"

True North

FINISH PLAN GENERAL NOTES

IMAGE	KEY	DESCRIPTION	COMMENTS
	CPT	CARPET TILE	REFER TO INTERIOR MATERIAL SCHEDULE ON SHEET AI600
	LVT	VINYL TILE	REFER TO INTERIOR MATERIAL SCHEDULE ON SHEET AI600

NOT USED

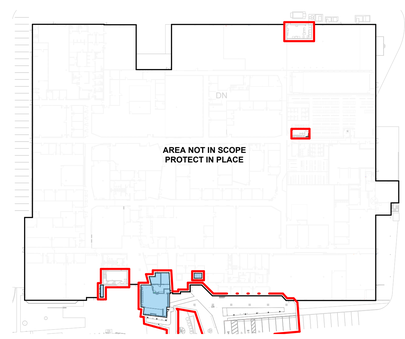
FINISH PLAN GENERAL NOTES

1. REFER TO INTERIOR MATERIAL SCHEDULE, INTERIOR FINISH SCHEDULE, AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
2. WALL FINISHES PER ROOM ARE TYPICAL FOR ALL WALLS UNLESS NOTED OTHERWISE.
3. WHEN MULTIPLE PAINT COLORS ARE USED IN A ROOM, PAINT COLOR SHALL TERMINATE ON AN INSIDE CORNER OF WALL UNLESS NOTED OTHERWISE. PAINT FINISH AT SOFFIT INCLUDES SOFFIT FACE AND UNDERSIDE UNLESS NOTED OTHERWISE.
4. OPEN STRUCTURE CEILINGS, INCLUDING EXPOSED MECHANICAL DUCTS, ELECTRICAL CONDUIT, PIPING, AND COMPONENTS THAT CAN BE SEEN FROM FINISH FLOOR ARE TO RECEIVE CEILING PAINT FINISH PER INTERIOR MATERIAL AND FINISH SCHEDULES.

FINISH PLAN KEY NOTES

700 ACOUSTICAL WALL PANEL 1 (AWP-1). REFER TO INTERIOR ELEVATIONS AND SHEET AI600.
701 ACOUSTICAL WALL PANEL 2 (AWP-2). REFER TO INTERIOR ELEVATIONS AND SHEET AI600.
702 ACOUSTICAL WALL PANEL 3 (AWP-3). REFER TO INTERIOR ELEVATIONS AND SHEET AI600.
703 WALL TO RECEIVE ACCENT PAINT 2 (PT-2). COLOR TO RETURN TO BACK WALL. REFER TO INTERIOR ELEVATIONS AND SHEET AI600.
704 HSS TO RECEIVE ACCENT PAINT 2 (PT-2). REFER TO SHEET AI600.

KEY PLAN



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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

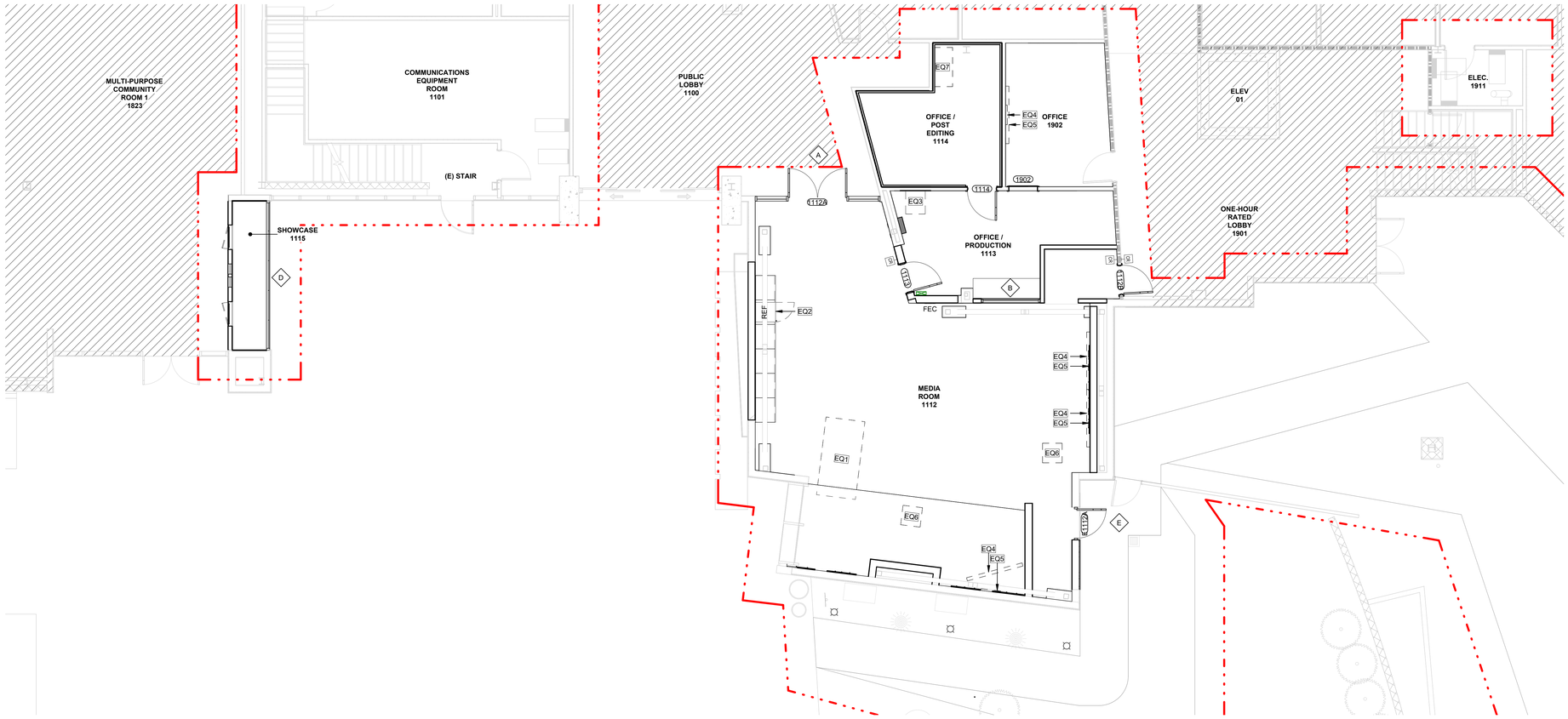
PROJECT NO.: ONT.010

SHEET TITLE:

FIRST FLOOR - FINISH PLAN

SHEET NO.:

AI100



1 FIRST FLOOR - FF&E PLAN
3/16" = 1'-0"

EQUIPMENT SCHEDULE

MARK	CPCI	OPCI	OPOI	DESCRIPTION	MANUFACTURER	MODEL	SIZE	BLOCKING REQUIRED	QUANTITY
EQ1	Yes	No	No	MODULAR ALUMINUM RAMP W/ HANDRAILS	HANDIRAMP	AST0648	48"W x 72"L x 6" RISE (CUSTOM)	No	1
EQ2	Yes	No	No	UNDERCOUNTER REFRIGERATOR	U-LINE	ADA24RGL	24"W x 23 1/4"D x 32" H	No	1
EQ3	Yes	No	No	A.V. RACK	TBD	TBD	TBD	Yes	1
EQ4	No	Yes	No	TELEVISION	TBD	TBD	TBD	No	6
EQ5	No	Yes	No	TELEVISION MOUNT	TBD	TBD	TBD	Yes	6
EQ6	No	No	Yes	PODIUM	TBD	TBD	TBD	No	2
EQ7	No	No	Yes	MIXING STATION DESK	TBD	TBD	TBD	No	1

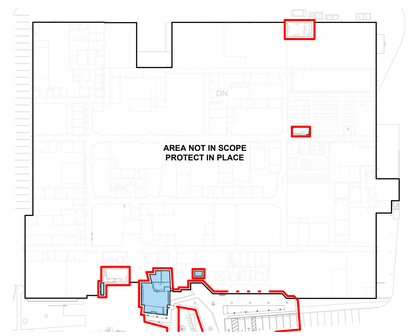
FF&E PLAN GENERAL NOTES

1. REFER TO ARCHITECTURAL FLOOR PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL BACKING HEIGHTS AND INFORMATION. SEE DETAIL **12/S502** FOR BACKING DETAIL.

FF&E PLAN KEY NOTES

NOT USED

KEY PLAN



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BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

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CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

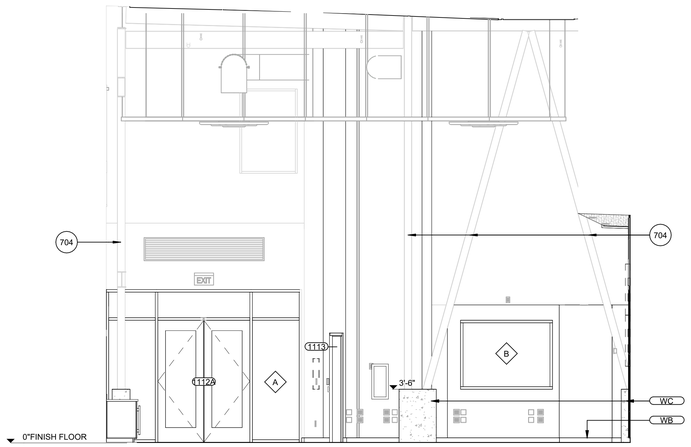
PROJECT NO.: ONT.010

SHEET TITLE:

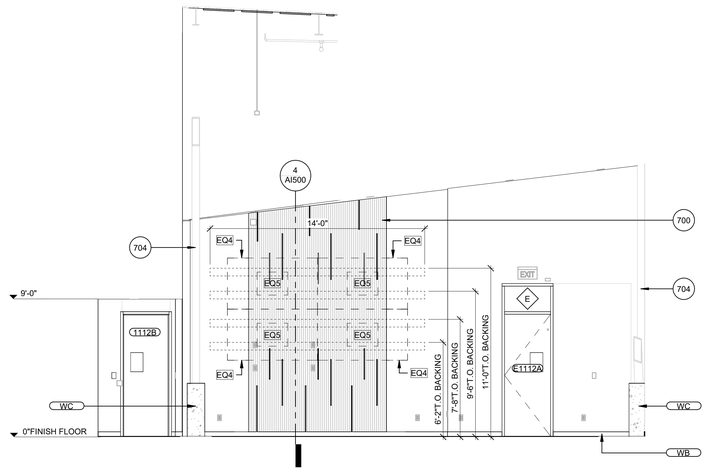
FIRST FLOOR - FF&E PLAN

SHEET NO.:

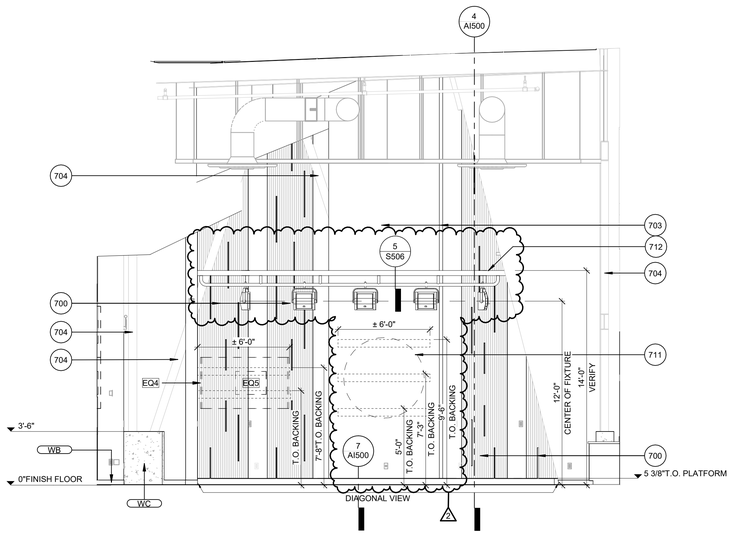
AI101



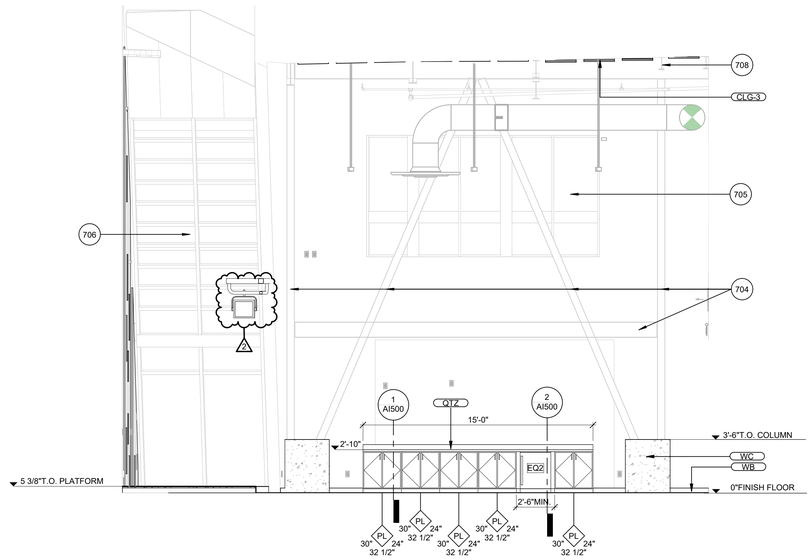
1 1112 MEDIA ROOM NORTH
1/4" = 1'-0"



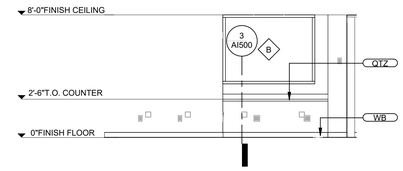
2 1112 MEDIA ROOM EAST
1/4" = 1'-0"



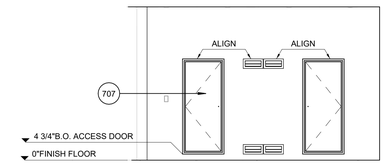
3 1112 MEDIA ROOM SOUTH
1/4" = 1'-0"



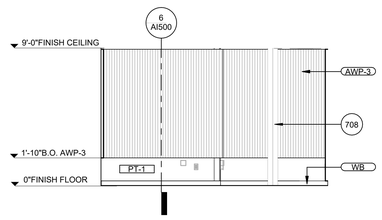
4 1112 MEDIA ROOM WEST
1/4" = 1'-0"



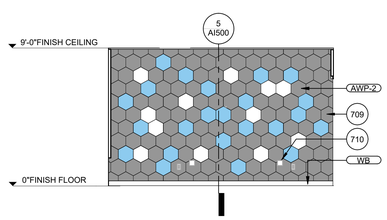
5 1113 OFFICE/PRODUCTION SOUTH
1/4" = 1'-0"



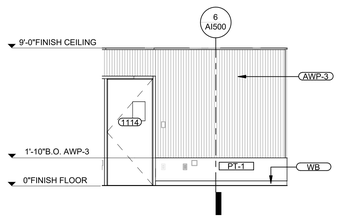
6 1115 SHOWCASE AT MULTI-PURPOSE COMMUNITY ROOM 1 EAST
1/4" = 1'-0"



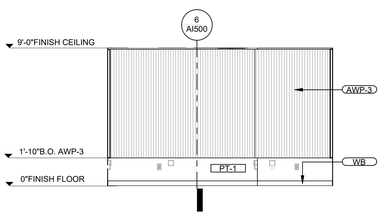
7 1114 OFFICE/POST EDITING NORTH
1/4" = 1'-0"



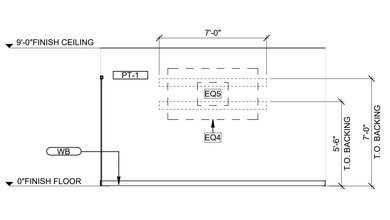
8 1114 OFFICE/POST EDITING EAST
1/4" = 1'-0"



9 1114 OFFICE/POST EDITING SOUTH
1/4" = 1'-0"



10 1114 OFFICE/POST EDITING WEST
1/4" = 1'-0"



11 1902 OFFICE WEST
1/4" = 1'-0"

INTERIOR ELEVATION GEN. NOTES

1. REFER TO INTERIOR MATERIAL SCHEDULE AND INTERIOR FINISH SCHEDULE FOR ADDITIONAL FINISH INFORMATION.
2. REFER TO EQUIPMENT SCHEDULE ON SHEET **AI101** FOR "EQ" ITEMS.
3. PAINT FINISH 1 (PT-1) TYPICAL AT WALLS, CEILINGS, AND SOFFITS UNLESS NOTED OTHERWISE. REFER TO INTERIOR ELEVATION KEY NOTES FOR PAINT 2 (PT-2) LOCATIONS.
4. EXPOSED MECHANICAL DUCTS, ELECTRICAL CONDUIT, PIPING, AND COMPONENTS THAT CAN BE SEEN FROM FINISH FLOOR ARE TO RECEIVE PAINT FINISH 1 (PT-1) TYPICAL UNLESS NOTED OTHERWISE.
5. VERIFY TV / MONITOR & SIGNAGE MOUNTING HEIGHTS W/ OWNER PRIOR TO INSTALLING BACKING.

INTERIOR ELEVATION KEY NOTES

700	ACOUSTICAL WALL PANEL 1 (AWP-1). REFER TO INTERIOR ELEVATIONS AND SHEET AI600.
703	WALL TO RECEIVE ACCENT PAINT 2 (PT-2). COLOR TO RETURN TO BACK WALL. REFER TO INTERIOR ELEVATIONS AND SHEET AI600.
704	HSS TO RECEIVE ACCENT PAINT 2 (PT-2). REFER TO SHEET AI600.
705	CLERESTORY WINDOW TO RECEIVE WINDOW TREATMENT 2 (WT-2). REFER TO OPENINGS MATERIAL SCHEDULE SHEET A600.
706	WINDOW TO RECEIVE WINDOW TREATMENT 1 (WT-1). REFER TO OPENINGS MATERIAL SCHEDULE SHEET A600.
707	ACCESS PANELS TO RECEIVE PAINT FINISH TO MATCH ADJACENT WALL COLOR.
708	EXISTING STRUCTURAL COLUMN/BEAM TO RECEIVE PAINT FINISH 2 (PT-2).
709	ALL TILES ALONG PERIMETER EDGE SHALL BE AWP-2 HIVE TILES.
710	ANY TILES REQUIRED TO BE CUT FOR RECEPTACLES SHALL BE AWP-2 HIVE TILES.
711	DEPARTMENT SEAL SIGNAGE BY OWNERS VENDOR, VERIFY SIZE AND FINAL LOCATION WITH OWNER
712	CUSTOM LIGHT TRUSS SYSTEM WITH PAINT FINISH (PT-3), PROVIDE 12 CABLE MANAGEMENT CLAMPS MODEL #DT-SNAP/LT BLK AS MANUFACTURED BY GLOBAL TRUSS OR SIMILAR. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION

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STATE OF CALIFORNIA

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
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ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC REVISIONS
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
INTERIOR ELEVATIONS

SHEET NO.:
AI200

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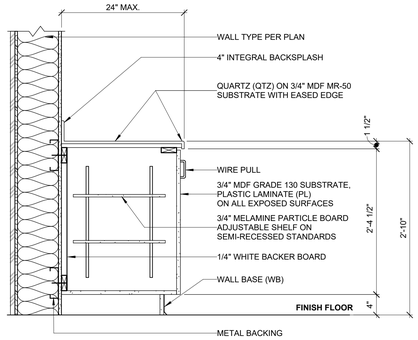
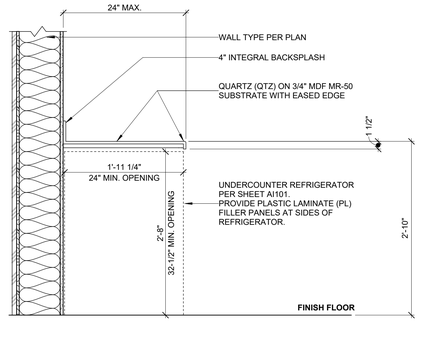
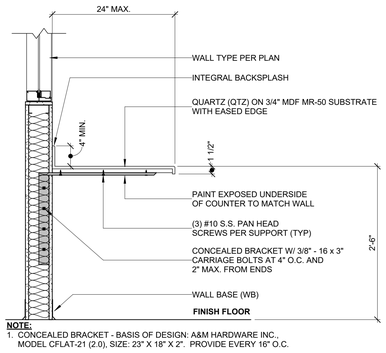


1 CABINET BASE
1" = 1'-0"

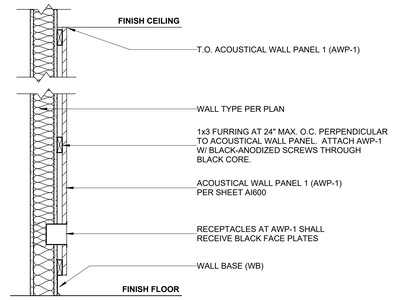


2 CABINET AT UNDER COUNTER REFRIGERATOR
1" = 1'-0"

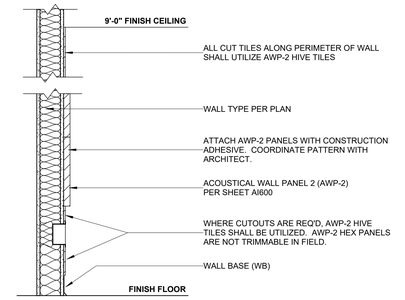


NOTE:
1. CONCEALED BRACKET - BASIS OF DESIGN: A&M HARDWARE INC., MODEL CFLAT-21 (2.0), SIZE: 23" X 18" X 2". PROVIDE EVERY 16" O.C.

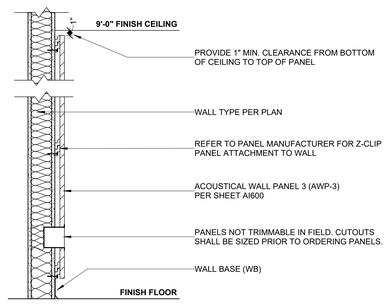
3 WORKSURFACE
1" = 1'-0"



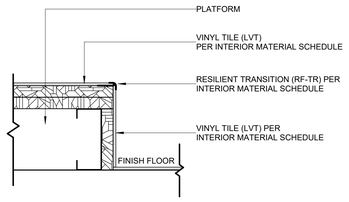
4 ACOUSTICAL WALL PANEL 1 (AWP-1) ATTACHMENT
1" = 1'-0"



5 ACOUSTICAL WALL PANEL 2 (AWP-2) ATTACHMENT
1" = 1'-0"



6 ACOUSTICAL WALL PANEL 3 (AWP-3) ATTACHMENT
1" = 1'-0"



7 PLATFORM EDGE AT LVT
3" = 1'-0"

NOT USED

NOT USED

NOT USED

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NOT USED

NOT USED

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CLIENT PROJECT NO.: DA2023-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
FINISH DETAILS

SHEET NO.:
AI500

NOT USED

NOT USED

INTERIOR MATERIAL SCHEDULE

CSI#	KEY	PRODUCT	MANUFACTURER	STYLE/SERIES/FINISH	COLOR	SIZE	CLASSIFICATION
06 41 00 - ARCHITECTURAL CASEWORK	PL	PLASTIC LAMINATE	WILSONART	PLASTIC LAMINATE	SATIN STAINLESS, 4830-18	PER PLANS	CLASS B
06 41 00 - ARCHITECTURAL CASEWORK	QTZ	QUARTZ	WILSONART	QUARTZ	HANOLA GREY, Q4044	PER PLANS	CLASS B
09 51 00 - ACOUSTICAL CEILINGS	CLG-1	ACOUSTICAL CEILING TILE & GRID SYSTEM	ARMSTRONG CEILINGS	ACT=ULTIMA VECTOR, ITEM#1920; GRID=15/16" PRELUDE XL WITH HD MAIN BEAM	WHITE (WH)	24" X 24" X 3/4"	CLASS A
09 51 00 - ACOUSTICAL CEILINGS	CLG-2	ACOUSTICAL CEILING TILE AT EXISTING GRID	ARMSTRONG CEILINGS	LYRA PB, ITEM#8372PBBK, 15/16" SQUARE LAY-IN	BLACK (BK)	24" X 24" X 1"	CLASS A
09 51 53 - DIRECT-ATTACHED ACOUSTICAL CEILING	CLG-3	DIRECT-ATTACHED ACOUSTICAL PANEL	ARMSTRONG CEILINGS	LYRA PB DIRECT APPLY, ITEM#8403PB, MOUNTING METHOD A	WHITE (WH)	24" X 72" X 1"	CLASS A
09 65 00 - RESILIENT FLOORING AND BASE	LVT	VINYL TILE	SHAW CONTRACT	COMPOUND 5.0MM 4077V, MONOLITHIC INSTALLATION METHOD	BASE 77504	24" X 24" X 5MM	CLASS I
09 65 00 - RESILIENT FLOORING AND BASE	RF-TR	RESILIENT FLOOR TRANSITION	SCHLUTER	VINPRO-RO	BRUSHED NICKEL ANODIZED ALUMINUM (ATGB)	MATCH SIZE OF LVT	N/A
09 65 00 - RESILIENT FLOORING AND BASE	WB	WALL BASE	TARKETT	JOHNSONITE WALL BASE DURACOVE THERMOPLASTIC RUBBER (TYPE TP)	18 NAVY BLUE	4"H WITH TOE	CLASS I
09 68 00 - CARPETING	CPT	CARPET TILE	PATCRAFT	COLOR FILTER I0471, STAGGER INSTALLATION METHOD	SPECTRUM 00490	9" X 36"	CLASS I
09 78 19 - WALL COVERING	WC	WALL COVERING	CONCREATE CONCRETE INNOVATION	PANEL #: CW102 WITH MANUFACTURER EDGE AND CORNER TRIM	DARK GREY	47-1/4" X 23-5/8" X 3/16"	CLASS A
09 84 00 - ACOUSTICAL WALL PANELS	AWP-1	ACOUSTIC WALL PANEL	INTERLAM	AKUPANEL 1x0.25, TYPE D20 MOUNTING	GREY OAK	23.58" X 96" X 13/16"	CLASS B
09 84 13 - SOUND ABSORBING WALL UNITS	AWP-2	ACOUSTIC WALL PANEL	TURF DESIGN	HEX TILE, VERTICAL LAYOUT; HIVE TILE AT PERIMETERS ONLY; ADHESIVE MOUNT	70% 09 DAMASCUS (HEX & HIVE), 20% 26 FADED DENIM (HEX), 10% 05 WHITE (HEX)	11.75" X 13.5"L X 2.25"D	CLASS A
09 84 13 - SOUND ABSORBING WALL UNITS	AWP-3	ACOUSTIC WALL PANEL	TURF DESIGN	REED, 2" PATTERN, VERTICAL LAYOUT, Z-CLIP ATTACHMENT, FLAT-FILL STRIPS WHERE REQUIRED AT WALL-TO-WALL JUNCTIONS	98 STORM	24" X 96" X 2"	CLASS A
09 90 00 - PAINTING	PT-1	PAINT - WALL, CEILING, SOFFIT TYPICAL U.N.O.	SHERWIN WILLIAMS	LOW-SHEEN INTERIOR; PRIME SUBSTRATES PER MFG. RECOMMENDATION	SW7070 SITE WHITE (257-C7)	N/A	N/A
09 90 00 - PAINTING	PT-2	PAINT - WALL ACCENT, STRUCTURAL MEMBERS	DUNN EDWARDS	LOW-SHEEN INTERIOR; PRIME SUBSTRATES PER MFG. RECOMMENDATION	DE5888 LUNA PIER	N/A	N/A
09 90 00 - PAINTING	PT-3	PAINT - AT EXISTING GRID	SHERWIN WILLIAMS	LOW-SHEEN INTERIOR; PRIME SUBSTRATES PER MFG. RECOMMENDATION	SW6258 TRICORN BLACK (251-C1)	N/A	N/A

INTERIOR FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR	BASE	WALL			CEILING FIELD	CEILING OTHER
		FIELD		FIELD	ACCENT	OTHER		
1112	MEDIA ROOM	LVT	WB	PT-1	AWP-1	PT-2	CLG-3	PT-1
1113	OFFICE / PRODUCTION	CPT	WB	PT-1	N/A	N/A	CLG-1	N/A
1114	OFFICE / POST EDITING	CPT	WB	AWP-3	AWP-2	PT-1	PT-1	N/A
1115	SHOWCASE	PT-1	N/A	PT-1	N/A	N/A	PT-1	N/A
1902	OFFICE	CPT	WB	PT-1	N/A	N/A	CLG-2	PT-3

NOTES:

1. IN ROOM 1902, EXISTING CEILING GRID SHALL REMAIN AND IS TO BE PAINTED FINISH PT-3 PER INTERIOR MATERIAL SCHEDULE.

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RENEWAL 08/31/2027
STATE OF CALIFORNIA

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MEDIA ROOM

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CLIENT PROJECT NO.: DA223-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

FINISH SCHEDULES

SHEET NO.:

AI600

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GENERAL NOTES

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

GENERAL NOTES
100SN001

1. INTERPRETATION OF DRAWINGS & SPECIFICATIONS
   A. WHERE SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT, THEY ARE ARRANGED IN SEVERAL SECTIONS, BUT SUCH SEPARATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED OF ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE CONTRACTOR AND THEIR SUBCONTRACTORS.
   B. IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITION AND KIND OF CONSTRUCTION, AND THE SPECIFICATIONS, QUALITIES AND METHODS. ANY WORK INDICATED ON THE WORKING DETAILS AND NOT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, SHALL BE FURNISHED AS THOUGH FULLY SET FORTH IN BOTH. WORK NOT PARTICULARLY DETAILED, MARKED OR SPECIFIED, SHALL BE IDENTICAL OR SIMILAR TO LIKE CASES OF CONSTRUCTION THAT ARE DETAILED, MARKED OR SPECIFIED. IF CONFLICTS OCCUR ON DRAWINGS AND/OR SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS WILL PREVAIL.
   C. SHOULD AN ERROR APPEAR IN THE WORKING DETAILS OR SPECIFICATIONS OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AT ONCE AND IN WRITING. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT HAVING GIVEN SUCH WRITTEN NOTICE AND WITHOUT RECEIVING THE NECESSARY APPROVAL, DECISION OR INSTRUCTIONS IN WRITING FROM THE OWNER, THEN THE CONTRACTOR SHALL HAVE NO VALID CLAIM AGAINST THE OWNER, FOR THE COST OF SO PROCEEDING AND SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT. NO VERBAL APPROVAL, DECISION, OR INSTRUCTION SHALL BE VALID OR BE THE BASIS FOR ANY CLAIM AGAINST THE OWNER, ITS OFFICERS, EMPLOYEES OR AGENTS. THE FOREGOING INCLUDES TYPICAL ERRORS IN THE SPECIFICATIONS OR NOTATIONAL ERRORS IN THE WORKING DETAILS WHERE THE INTERPRETATION IS DOUBTFUL OR WHERE THE ERROR IS SUFFICIENTLY APPARENT AS TO PLACE A REASONABLY PRUDENT CONTRACTOR ON NOTICE THAT, SHOULD THE CONTRACTOR ELECT TO PROCEED, THEY ARE DOING SO AT THEIR OWN RISK.
2. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS.
3. SHOP DRAWING NOTE:
   A. WHEN NOT ADDRESSED BY DIVISION 1 OF THE SPECIFICATIONS, SUBMITTALS SHALL BE ELECTRONIC PDF FORMAT.
   B. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE STRUCTURAL ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL THE CONTRACTOR INTENDS TO FURNISH AND INSTALL, AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS THE CONTRACTOR INTENDS TO USE ON A STAND ALONE SET OF DOCUMENTS. DUPLICATION OF DESIGN DOCUMENTS FOR THE PURPOSE OF SHOP DRAWINGS IS NOT ACCEPTABLE.
   C. PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER. SHOP DRAWING SUBMITTALS SHALL INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, STRUCTURAL STEEL, REINFORCING STEEL, & GLUE-LAMINATED BEAMS.
   D. PRIOR TO SUBMISSION THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SHALL STAMP SUBMITTALS AS BEING "REVIEWED FOR CONFORMANCE".
   E. SHOP DRAWING SUBMITTALS PROCESSED BY THE STRUCTURAL ENGINEER ARE NOT CHANGE ORDERS.
   F. ANY DETAIL ON THE SHOP DRAWINGS THAT DEVIATES FROM THE CONTRACT DOCUMENTS SHALL CLEARLY BE MARKED WITH THE NOTE "THIS IS A CHANGE".
   G. SHOP DRAWINGS OR CALCULATIONS SUBMITTED FOR REVIEW THAT REQUIRE RESUBMITTAL FOR RE-REVIEW SHALL BE BILLED HOURLY FOR SUCH TIME TO THE GENERAL CONTRACTOR. RE-REVIEW WILL NOT PROCEED WITHOUT WRITTEN APPROVAL FROM THE GENERAL CONTRACTOR FOR ADDITIONAL ENGINEERING REVIEW SERVICES.
4. SAFETY NOTE:
   A. IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA LATEST EDITION, AND ALL OSHA REQUIREMENTS.
   B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS AND SHORING REQUIRED. SHORING INDICATIONS (LOCATION, DIRECTION, DURATION, ETC.) ARE ONLY SHOWN ON THE STRUCTURAL DWGS WHEN REQUIRED TO IMPLEMENT THE DESIGN INTENT OF THE FINAL WORK PRODUCT. DETERMINATION WHETHER SHORING IS REQUIRED FOR TEMPORARY OR INTERMEDIATE CONDITIONS DURING CONSTRUCTION IS WHOLLY THE RESPONSIBILITY OF THE CONTRACTOR.
   C. THE OWNER AND THE STRUCTURAL ENGINEER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
5. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS OR EXISTING FIELD CONDITIONS. SUCH NOTIFICATION SHALL BE GIVEN IN DUE TIME SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. IN CASE OF A CONFLICT BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS THE MORE RESTRICTIVE CONDITION SHALL TAKE PRECEDENCE UNLESS WRITTEN APPROVAL HAS BEEN GIVEN FOR THE LEAST RESTRICTIVE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PRIOR TO COMMENCING ANY WORK.
6. WHEN CONSTRUCTION ATTACHES TO OR IS WITHIN AN EXISTING BUILDING, A COMPLETE SET OF DRAWINGS OF THE EXISTING BUILDING SHALL BE KEPT ON THE JOB SITE. CONTRACTOR TO OBTAIN THESE DRAWINGS FROM THE OWNER (IF THEY ARE AVAILABLE).
7. CONTRACTOR SHALL PROVIDE AN ALLOWANCE EQUAL TO 2% OF THE BID FOR STRUCTURAL STEEL, MISC. IRON AND REINFORCING STEEL TO BE USED AT THE DISCRETION OF THE STRUCTURAL ENGINEER. UNUSED AMOUNT TO REVERT TO THE OWNER UPON COMPLETION OF THE JOB.
8. ANY SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE OR DETAILS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER. SUCH REVIEW WILL BE BILLED ON A TIME AND MATERIALS BASIS TO THE GENERAL CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.
9. DO NOT SCALE DRAWINGS. CONTACT THE ARCHITECT OR STRUCTURAL ENGINEER FOR ANY DIMENSIONS NOT SHOWN.
10. THESE DRAWINGS ARE NOT COMPLETE UNTIL REVIEWED AND ACCEPTED BY LOCAL BUILDING OFFICIALS AND THE OWNER AND SIGNED BY THE STRUCTURAL ENGINEER.

DESIGN CRITERIA
100SN802

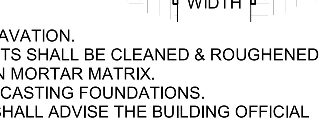
1. BASIS OF DESIGN
   A. THE PROJECT SCOPE STRADDLES A 4-INCH SEISMIC JOINT BETWEEN THE PRIMARY/MAIN BUILDING AND A SINGLE STORY ADDITION.
   B. PRIMARY/MAIN BUILDING IS A SINGLE-STORY CMU STRUCTURE WITH A BARE METAL DECK ROOF DIAPHRAM AND AN INTERIOR STEEL FRAMED MEZZANINE STRUCTURE ALONG ITS EAST SIDE. IT WAS ORIGINALLY CONSTRUCTED CIRCA 1982 AS A DEPARTMENT STORE. INTERIOR IMPROVEMENTS HAVE BEEN MADE OVER THE LIFE OF THE STRUCTURE INCLUDING THE INTERIOR MEZZANINE IN 2003. A SEPARATE TALL SINGLE STORY STRUCTURE WAS ALSO ADDED TO THE FRONT OF THE BUILDING IN 2003 WHEN THE BUILDING WAS CONVERTED TO A POLICE DEPARTMENT HEADQUARTERS.
   C. THE STRUCTURE AT THE FRONT IN 2003 IS A SINGLE-STORY STEEL BRACE FRAME STRUCTURE. THIS STRUCTURE IS SEISMICALLY SEPARATED FROM THE PRIMARY STRUCTURE BY A 1-1/2 INCH SEISMIC GAP.
   D. EVALUATION AND STRENGTHENING OF THE BUILDING'S EXISTING LATERAL FORCE RESISTING SYSTEM IS NOT REQUIRED OR INCLUDED.
2. STRUCTURAL SCOPE OF WORK (INTERIOR ALTERATION):
   A. ADDITION OF INTERIOR PARTITIONS AND CEILINGS
   B. ADDITION OF DOOR OPENINGS IN EXISTING PARTITIONS
   C. SUPPORT OF NEW MECHANICAL DUCTS, LIGHT FIXTURES AND AV EQUIPMENT
   D. NON-STRUCTURAL INFILL OF EXISTING DOOR OPENING FOR CONSTRUCTION OF A DISPLAY CASE
   E. MODIFICATIONS TO THE EXISTING BUILDING'S PRIMARY GRAVITY AND LATERAL FORCE RESISTING SYSTEMS IS EXCLUDED.
3. CODES AND STANDARDS
   2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)
   2022 CALIFORNIA BUILDING CODE (CBC)
   2022 CALIFORNIA EXISTING BUILDING CODE (CEBC)
   ASCE 7-16
   ACI 318-19
   AISC 360-16, 341-16, 358-16
   AISI S100-16 w/ S2-20, S240-20, S400-20
4. VERTICAL LOADS
   ROOF LIVE LOAD = 20 PSF
   LIVE LOADS ARE REDUCED WHERE PERMITTED BY CODE.
5. SOILS VALUES
   ALLOWABLE SOILS PRESSURE FOR NEW FOUNDATIONS (FROM CBC TABLE 1806.2)
   A. DL 1500 PSF
   B. DL + LL 1500 PSF

   ALLOWABLE LATERAL VALUES
   A. PASSIVE EARTH PRESSURE 100 LBS/FT^3
   B. FRICTION COEFFICIENT 0.30
6. LATERAL LOADS
   SEISMIC:
   SITE CLASS D
   S_S = 1.60 ; S_{DS} = 1.28
   S_1 = 0.581
   I_P = 1.5 PER ASCE 7-16 SECT 13.1.3
   RISK CATEGORY: II
   SEISMIC DESIGN CATEGORY: D
   SEISMIC FORCE RESISTING SYSTEM: STEEL CONCENTRICALLY BRACED FRAMES

   WIND:
   V= 95 MPH
   RISK CATEGORY: II
   EXPOSURE CATEGORY: C
   GC_{PI} = ±0.18

FOUNDATIONS
200SN001

1. THE BASIS OF DESIGN AND ALLOWABLE CAPACITIES OF THE FOUNDATION SYSTEM HAVE BEEN PROPORTIONED IN ACCORDANCE WITH THE PRESUMPTIVE LOAD-BEARING VALUES OF SOILS FROM SECTION 1806 OF THE CBC.
2. FOUNDATIONS SHALL BEAR ON COMPACTED FILL MATERIAL 12 INCHES IN DEPTH MAXIMUM WITH IN-PLACE DRY DENSITY NOT LESS THAN 90-PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE AS PRESCRIBED BY CBC SECTION 1804.6.
3. ALL FILLING, BACKFILLING AND COMPACTION SHALL BE DONE UNDER THE OBSERVATION OF A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER AND MUST BE COMPACTED TO THE MINIMUM DENSITY SPECIFIED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN ASTM D1557 AS PRESCRIBED BY CBC SECTION 1804.6
4. BOTTOMS OF ALL FOUNDATIONS SHALL BE LEVEL. CHANGES IN BOTTOM OF FOUNDATION ELEVATION SHALL BE MADE ACCORDING TO STEPPED FOOTING DETAIL ON THE TYPICAL DETAIL SHEET.
5. FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE EXCAVATIONS ARE STABLE (AS DETERMINED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER). OTHERWISE, FOUNDATIONS SHALL BE FULLY FORMED. USE MINIMUM PLANKING SHOWN TO PROTECT AGAINST SLOUGHING, AS REQUIRED. PLANKING DOES NOT REPLACE FORMWORK REQUIRED TO STABILIZE EXCAVATION.



6. THE SURFACE OF ALL HORIZONTAL CONSTRUCTION JOINTS SHALL BE CLEANED & ROUGHENED BY EXPOSING CLEAN AGGREGATE SOLIDLY EMBEDDED IN MORTAR MATRIX.
7. NOTIFY THE STRUCTURAL ENGINEER 48 HOURS BEFORE CASTING FOUNDATIONS.
8. A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING THAT:
   A. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED.
   B. THE FOUNDATION EXCAVATION DEPTH AND MATERIAL ARE ADEQUATE TO ACHIEVE DESIGN BEARING CAPACITY.
   C. FORMING COMPLIES WITH THE GEOTECHNICAL REPORT AND APPROVED PLAN.

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CONCRETE
300SN001

1. CONCRETE SHALL ATTAIN 28 DAY COMPRESSIVE STRENGTH AS REQUIRED IN NOTE #28. SLUMP SHALL BE 4 INCHES ± 1 INCH WITHOUT ADMIXTURES UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS.
2. CONCRETE MIX DESIGNS SHALL BE PREPARED ACCORDING TO ACI 318 CHAPTER 26.4 AND ACI 301 SECTION 4, REVIEWED BY OWNER'S TESTING LABORATORY AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW.
3. CEMENTITIOUS MATERIALS:
   CEMENT SHALL CONFORM TO ASTM C-150 TYPE II OR V.
   FLY ASH SHALL CONFORM TO ASTM C-618. MAX. QUANTITY OF FLY ASH BY MASS SHALL BE 25% UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS.
   SLAG SHALL CONFORM TO ASTM C989. MAX. QUANTITY OF SLAG BY MASS SHALL BE 25% UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS.
   TERNARY SYSTEMS ARE PROHIBITED.
4. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-33 FOR NORMAL WEIGHT CONCRETE AND ASTM C-330 FOR LIGHTWEIGHT CONCRETE.
5. NON-SHRINK GROUT OR DRYPACK SHALL CONSIST OF A PREMIXED NONMETALLIC FORMULA.
6. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 UNO. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A-706 GRADE 60. CONTRACTOR SHALL SUBMIT REBAR MILL CERTIFICATES. REINFORCING STEEL IN SPECIAL REINFORCED SHEAR WALLS OR MOMENT FRAMES, EXCEPT TIES AND HOOPS, SHALL CONFORM TO ASTM A-706.
7. ALL PREHEATING AND WELDING OF REINFORCING BARS SHALL BE DONE IN ACCORDANCE WITH AWS D1.4 LATEST EDITION AND SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED LABORATORY. CONTRACTOR SHALL FURNISH WPS FOR ALL REBAR WELDING TO THE LABORATORY.
8. REINFORCING STEEL SHALL BE FABRICATED ACCORDING TO "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION".
9. DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF BARS LISTED AND DENOTE CLEAR COVERAGE. NON-PRESTRESSED, CAST-IN-PLACE CONCRETE COVERAGE SHALL BE AS FOLLOWS, UNO:
   CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS)--------- 3"
   CONCRETE EXPOSED TO GROUND OR WEATHER BUT PLACED IN FORMS:
   #5 AND SMALLER---------- 1-1/2"
   #6 AND LARGER---------- 2"
   BEAMS & COLUMNS (TIES)---------- 1-1/2"
   BEAMS & COLUMNS (MAIN REINFORCING)---------- 2"
   CAST-IN-PLACE WALLS (EXTERIOR FACE & SOIL SIDE)---------- SEE ABOVE
   CAST-IN-PLACE WALLS (INTERIOR FACE-#11 & SMALLER)---------- 3/4"
   TILT-UP WALLS---------- SEE DETAILS
   SLABS (ON FORMS)---------- 3/4"
   SLABS (ON GROUND)---------- 2" CLEAR FROM TOP
10. SPLICES IN CONTINUOUS REINFORCEMENT SHALL BE LAPPED UNO, SEE SCHEDULE THIS SHEET. SPLICES IN ADJACENT BARS SHALL BE GREATER THAN 5'-0" APART. SPLICE CONTINUOUS BARS IN SOIL-BEARING GRADE BEAMS, STRUCTURAL SLABS ON GRADE AND MAT FOUNDATIONS AS FOLLOWS UNO: TOP BARS AT CENTERLINE OF SUPPORT; BOTTOM BARS AT MID-SPAN. SPLICE CONTINUOUS BARS IN ELEVATED SLABS AND BEAMS, ETC. AS FOLLOWS UNO: TOP BARS AT MID-SPAN; BOTTOM BARS AT CENTERLINE OF SUPPORT. ALL BARS SIZE #14 AND LARGER SHALL BE CONTINUOUS FOR FULL LENGTH SHOWN OR SPLICED WITH MECHANICAL COUPLERS AS NOTED IN DETAILS. SPLICES IN WWF SHALL BE 1-1/2 MESHES WIDE.
11. THE MINIMUM CLEAR SPACING BETWEEN PARALLEL BARS IN A LAYER SHALL NOT BE LESS THAN THE LARGER OF BAR DIAMETER, 1", OR 33% GREATER THAN THE MAXIMUM AGGREGATE SIZE (NOMINAL), WHICHEVER IS GREATEST. THIS REQUIREMENT ALSO APPLIES TO THE CLEAR SPACING BETWEEN DIFFERENT LAYERS OF PARALLEL BARS AND TO THE CLEAR DISTANCE BETWEEN A CONTACT LAP SPLICE AND ADJACENT SPLICES OR BARS.
12. ALL HOOKS SHALL BE STANDARD HOOKS UNLESS OTHERWISE SHOWN OR NOTED. AT WALLS, PROVIDE HOOKS AT ENDS OF ALL REINFORCING AT ENDS, CORNERS AND INTERSECTIONS, UNO.
13. CONSTRUCTION JOINTS SHALL BE MADE ROUGH AND ALL LAITANCE REMOVED FROM THE SURFACE. CONCRETE MAY BE ROUGHENED BY CHIPPING THE ENTIRE SURFACE, SAND BLASTING, OR RAKING THE SURFACE TO PROVIDE 1/4" DEEP DEFORMATIONS.
14. REMOVE ALL DEBRIS FROM FORMS BEFORE CASTING ANY CONCRETE.
15. REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE.
16. ANCHOR BOLTS (AB'S) CAST IN CONCRETE FOR WALL SILL AND LEDGER APPLICATIONS SHALL BE HEADED BOLTS WITH CUT THREADS CONFORMING TO ASTM F1554, UNO.
17. CONSOLIDATE CONCRETE PLACED IN FORMS BY MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING, RODDING OR TAMPING. USE EQUIPMENT AND PROCEDURES FOR CONSOLIDATION OF CONCRETE IN ACCORDANCE WITH THE RECOMMENDED PRACTICES OF ACI 309 TO SUIT THE TYPE OF CONCRETE AND PROJECT CONDITIONS. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES HOPPERS AND CHUTES OR TRUNKS OF VARIABLE LENGTHS SHALL BE USED SO THAT THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED 6 FEET.
18. NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE CONCRETED.
19. PROVIDE #4x4'-0" DIAGONAL REINFORCING AT EACH REINFORCING LAYER OF SLAB AT ALL RE-ENTRANT CORNERS TYPICAL UNO. THIS APPLIES TO SLAB ON GRADE, CONCRETE OVER METAL DECK, AND ELEVATED STRUCTURAL SLAB CONDITIONS.
20. ALL SAW CUTTING SHALL BE DONE AFTER INITIAL SET HAS OCCURRED TO AVOID TEARING OR DAMAGE BY THE SAW BLADE, BUT BEFORE INITIAL SHRINKAGE HAS OCCURRED.
21. NOTIFY STRUCTURAL ENGINEER A MINIMUM OF 48 HOURS BEFORE PLACING ANY CONCRETE.
22. CONCRETE STRENGTHS & MIX PROPERTIES:

ITEM	F'C @ 28 DAYS	MAX AGGR SIZE	WEIGHT	MAX W/CM* RATIO
A. SLAB ON GRADE	3500 PSI	1"	NW	0.45
B. SITE & MISCELLANEOUS - SEE CIVIL OR ARCH DRAWINGS				

* W/CM = WATER : CEMENTITIOUS MATERIAL RATIO

LAP SPLICE LENGTHS FOR GRADE 60 REINFORCING BARS IN TENSION (Lst)
300SN002

ACI 318 CBC/IBC

(ALL LENGTHS SHOWN ARE IN INCHES)

f'c = 3500 PSI CONC

SPLICE CLASS	REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	TOP	26	35	43	52	75	86	97	109	121
	OTHER	20	27	33	40	58	66	75	84	93

DEFINITIONS:
L_D = DEVELOPMENT LENGTH OF DEFORMED BARS IN TENSION
L_{ST} = TENSION LAP SPLICE LENGTH
TOP = HORIZONTAL REINFORCEMENT LOCATED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE SPLICE.

NOTES:
1. SCHEDULE APPLIES TO NORMAL WEIGHT CONCRETE WITH UNCOATED, GRADE 60 REINFORCING STEEL FOR #3 BARS AND LARGER.
2. ROUND UP TO THE NEAREST WHOLE NUMBER FOR ALL LENGTH CALCULATIONS.
3. Lst SHALL BE 12 INCHES MINIMUM.
4. WHERE CLEAR SPACING OF BARS BEING SPLICED IS LESS THAN 2 BAR DIA. OR WHERE CLEAR COVER OF BARS BEING SPLICED IS LESS THAN 1 BAR DIA., MULTIPLY LAP LENGTHS BY 1.50, UNO.
5. WHERE CLASS A LAP SPLICE IS NOTED IN DETAIL, DIVIDE LENGTHS ABOVE BY 1.30.
6. DEVELOPMENT LENGTH OF DEFORMED BARS, Ld, SHALL BE CALCULATED BY DIVIDING THE LENGTH ABOVE BY 1.30. Ld SHALL BE 12 INCHES MINIMUM.
7. WHEN SPLICING DIFFERENT SIZE BARS, Lst SHALL BE THE GREATER OF Ld OF THE LARGER BAR AND Lst OF THE SMALLER BAR.
8. THE LENGTHS SHOWN IN THE SCHEDULE SHALL BE INCREASED BY ALL APPLICABLE MULTIPLIERS LISTED IN THE NOTES ABOVE.

STRUCTURAL STEEL
500SN001

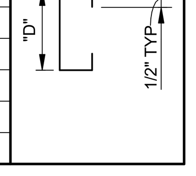
1. FABRICATION, ERECTION AND MATERIALS SHALL CONFORM WITH THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, THE AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS AND THE AISC CODE OF STANDARD PRACTICE, LATEST EDITIONS ADOPTED BY THE BUILDING CODE SPECIFIED IN THE DESIGN CRITERIA NOTES, UNO.
2. ALL HOT ROLLED STEEL SHAPES, PLATES AND BARS SHALL BE NEW STEEL CONFORMING TO ASTM A6, UNO IN THE STRUCTURAL DRAWINGS. STRUCTURAL STEEL SHALL BE AS FOLLOWS:
   A. WIDE FLANGE AND WT SHAPES: ASTM A992
   B. M- AND S- SHAPES: ASTM A572 GRADE 50
   C. C- AND MC- SHAPES: ASTM A992
   D. L- SHAPES: ASTM A572 GRADE 50
   E. ROUND HSS: ASTM A500 GRADE C (Fy = 50 KSI)
   F. RECTANGULAR HSS: ASTM A500 GRADE C (Fy = 50 KSI)
   G. PIPE: ASTM A53, GRADE B (Fy = 35 KSI)
   H. BASE PLATES UP TO 4" THICK: ASTM A572 GRADE 50
   I. ALL OTHER PLATE MATERIAL: ASTM A572 GRADE 50, UNO
   J. BUILT UP COLUMNS: ASTM A572 GRADE 50
   K. PLATE GIRDERS: ASTM A572 GRADE 50
   L. CONNECTION MATERIAL
      a. COLUMN CONTINUITY PLATES AND DOUBLER PLATES: ASTM A572 GRADE 50
      b. BRACED FRAME GUSSET PLATES: ASTM A572 GRADE 50
3. ALL STRUCTURAL STEEL SHALL RECEIVE A MINIMUM OF ONE SHOP COAT OF PRIMER PAINT. DO NOT PAINT AREAS TO BE FIELD WELDED, FIREPROOFED, GALVANIZED, TO RECEIVE SLIP-CRITICAL HIGH STRENGTH BOLTS, OR TO BE EMBEDDED IN CONCRETE. PROVIDE ADDITIONAL PAINTING AS NOTED IN THE SPECIFICATIONS.
4. STRUCTURAL STEEL BELOW GRADE SHALL HAVE 3 INCHES MINIMUM OF CONCRETE COVER.
5. STRUCTURAL BOLTS AND THREADED FASTENERS
   A. BOLTED CONNECTIONS SHALL CONSIST OF UNFINISHED BOLTS CONFORMING TO ASTM F3125 GRADE A325 UNO.
   B. WHERE HIGH-STRENGTH BOLTS ARE SPECIFIED, BOLTS CONFORMING TO ASTM F3125 GRADE A325 OR GRADE A490 SHALL BE PROVIDED AS INDICATED. HIGH STRENGTH BOLTS IN SLIP-CRITICAL AND PRETENSION JOINTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1852 FOR TWIST-OFF TYPE TENSION CONTROL BOLT PRETENSIONING OR BE PROVIDED WITH DIRECT TENSION INDICATOR WASHERS CONFORMING TO THE REQUIREMENTS OF ASTM F959.
   C. ANCHOR RODS CAST IN CONCRETE OR MASONRY SHALL BE HEADED BOLTS WITH CUT THREAD, FULL DIAMETER BODY STYLE CONFORMING TO ASTM F1554 GRADE 36, 55 (WELDABLE PER S1 SUPPLEMENTARY REQUIREMENTS), OR GRADE 105 AS INDICATED ON DRAWINGS. IN LIEU OF HEADED ANCHOR RODS, THREADED ROD CONFORMING TO THE ABOVE SPECIFICATIONS MAY BE USED WITH DOUBLE NUTS TIGHTENED TO PREVENT ROTATION. ANCHOR ROD PROJECTION ABOVE TOP OF FOUNDATION SHALL BE AS NOTED ON THE DRAWINGS.
   D. BOLTED CONNECTIONS SHALL HAVE WASHERS CONFORMING TO ASTM F436 UNO. WASHERS MAY BE OMITTED AT SNUG-TIGHTENED AND SLIP-CRITICAL CONNECTIONS, EXCEPT WHERE REQUIRED BY THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS, LATEST EDITION.
   E. BASE PLATES SHALL HAVE NUTS AND WASHERS AT TOP AND BOTTOM OF PLATE. WASHERS FOR BASE PLATES SHALL BE A36 SQUARE OR CIRCULAR PLATE UNLESS ASTM F844 WASHERS ARE PERMITTED. SEE BASE PLATE DETAILS FOR PLATE WASHER SIZE AND PERMISSIBLE WASHER TYPE.
   F. THREADED RODS SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE ON THE DRAWINGS.
   G. PINS: ALL PINS IN PIN CONNECTED MEMBERS SHALL CONFORM TO ASTM A36 OR ASTM A108 AS INDICATED ON THE DRAWINGS.
6. PROVIDE 3/4" DIAMETER STITCH BOLTS AND RING FILLS, SPACED AT NOT MORE THAN 2'-0" ON CENTER AT ALL DOUBLE ANGLE MEMBERS UNO.
7. BOLT HOLES SHALL BE AISC STANDARD HOLES UNLESS SPECIFIED OTHERWISE. USE STANDARD AISC GAGE AND PITCH FOR BOLTS EXCEPT AS NOTED OTHERWISE.
8. WELDING SHALL BE DONE BY THE ELECTRIC ARC PROCESS IN ACCORDANCE WITH AMERICAN WELDING SOCIETY STANDARDS, USING ONLY CERTIFIED WELDERS. ALL GROOVE WELDS SHALL HAVE COMPLETE PENETRATION UNLESS NOTED OTHERWISE. ALL ELECTRODES FOR WELDING SHALL COMPLY WITH AWS D1.1 AND D1.8 AS APPLICABLE, E70 SERIES MINIMUM.
9. WELD LENGTHS SPECIFIED ON PLANS ARE THE NET EFFECTIVE LENGTHS REQUIRED.
10. MINIMUM FILLET WELDS: (T = THICKNESS OF THINNER PART JOINED)
    3/16" @ T < 1/2"
    1/4" @ T < 3/4"
    5/16" @ T > 3/4"
11. WELDING PROCEDURE SPECIFICATIONS (WPS) FOR SHOP AND FIELD PREQUALIFIED WELD JOINTS AND WELD JOINTS QUALIFIED BY TEST SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER AND THE OWNER'S TESTING LABORATORY PRIOR TO FABRICATION. ALL WELDING PROCEDURE ITEMS SUCH AS BASE METALS, WELDING PROCESSES, FILLER METALS AND JOINT DETAILS THAT MEET THE REQUIREMENTS OF AWS D1.1 SECTION 3 SHALL BE CONSIDERED AS PREQUALIFIED. ANY CHANGE OR SUBSTITUTION THAT IS BEYOND THE RANGE OR TOLERANCE OR REQUIREMENTS FOR PREQUALIFICATION SHALL BE QUALIFIED BY TEST PER AWS D1.1 SECTION 4 PART B. SUBMIT TEST REPORTS SHOWING SUCCESSFUL PASSAGE OF QUALIFICATION TESTS FOR ALL NON-PREQUALIFIED WELDING PROCEDURE SPECIFICATIONS.

COLD-FORMED METAL FRAMING
540SN001

1. GALVANIZED SHEET STEEL SHALL CONFORM TO ASTM A653, STRUCTURAL QUALITY, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MILS (18 GA) AND THINNER AND ASTM A653, STRUCTURAL QUALITY, WITH A MINIMUM YIELD STRENGTH OF 50 KSI FOR 54 MILS (16 GA) AND THICKER. HOT-ROLLED CARBON SHEET AND STRIP STEEL USED IN THE FABRICATION OF COLD-FORMED MEMBERS SHALL CONFORM TO ASTM A1011 WITH A RUST INHIBITIVE COATING. ALL CFS MEMBERS ARE TO BE COATED IN ACCORDANCE WITH THE OPTIONS SHOWN IN PARAGRAPH 4.3 AND TABLE 1 OF ASTM C955 AND SHALL HAVE A MINIMUM COATING PROTECTION LEVEL OF CP 60.
2. METAL STUDS AND JOISTS SHALL BE OF SIZE AND THICKNESS SHOWN ON DRAWINGS WITH THE MINIMUM EFFECTIVE SECTION PROPERTIES SHOWN IN THE TABLE(S).
3. MINIMUM THICKNESS SHOWN IN TABLE FOR THE THICKNESS SPECIFIED REPRESENTS 95% OF DESIGN THICKNESS PER AISI S240.
4. METAL FRAMING SHALL BE PER ICC-ES NO. 3064P OR ICC-ES 4205. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AGENCY APPROVAL FOR ANY SUBSTITUTIONS.
5. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE-SHEET STEEL". WELDERS SHALL BE AWS CERTIFIED. WELDING RODS: E60XX MIN (43 MIL AND THINNER), E70XX MIN (54 MIL AND THICKER).
6. SMS SHALL BE PER ONE OF THE FOLLOWING:
   A. GRABBER CONSTRUCTION PRODUCTS INC PER ESR-1271
   B. PRIMESOUCE BUILDING PRODUCTS PER ESR-1408
   C. ITW BUILDEX PER ESR-1976
   D. ITW BUILDEX PER ESR-3223
   E. HILTI PER ESR-2196
   F. PORTEOUS FASTENER PER ESR-3231
   G. ELCO CONSTRUCTION PRODUCTS PER ESR-3294
   H. SIMPSON STRONG-TIE COMPANY PER ESR-3006
7. SMS MUST BE INSTALLED WITH THE FOLLOWING MINIMUM DIMENSIONAL LIMITATIONS: WHERE MULTIPLE FASTENERS ARE USED, SCREWS ARE TO HAVE A CENTER-TO-CENTER SPACING OF AT LEAST 3 TIMES THE NOMINAL DIAMETER (D). SCREWS ARE TO HAVE A CENTER-OF-SCREW TO EDGE-OF-STEEL DIMENSION OF AT LEAST 1.5 TIMES THE NOMINAL DIAMETER (D) OF THE SCREW.
8. ALL SCREWS ARE TO PROTRUDE A MINIMUM OF THREE FULL THREADS BEYOND THE CONNECTED PARTS, UNLESS OTHERWISE NOTED. WHERE THE CONNECTED PARTS ARE DIFFERENT THICKNESS, THE SCREW IS TO FIRST PENETRATE THE THINNER MEMBER, THEN PENETRATE THICKER PART, MEANING, THE SCREW HEAD IS IN CONTACT WITH THE THINNER MEMBER, UNLESS OTHERWISE NOTED.
9. TYPICAL METAL TRACK SHALL BE SAME GAUGE AS STUDS WHICH IT SUPPORTS, UNPUNCHED, WITH A FLANGE WIDTH OF 1 1/4 INCHES AND A DEPTH EQUAL TO THE NOMINAL STUD PLUS 2 TIMES THE TRACK THICKNESS PLUS THE RADIUS. NESTED TRACKS SHALL BE FABRICATED TO FILL THE OUTSIDE OF A TYPICAL METAL TRACK. DEEP LEG TRACKS SHALL HAVE A MINIMUM FLANGE WIDTH OF 2 INCHES. USE SLOTTED SLIP TRACKS WHERE SPECIFIED. SEE SECTIONS AND TYPICAL METAL STUD DETAILS.
10. METAL STUDS AND JOISTS SHALL NOT HAVE PUNCH-OUTS CLOSER THAN 10" CLEAR FROM THE END OF THE MEMBER OR AT INTERMEDIATE LATERAL BEARING POINTS OF THE MEMBER. METAL STUDS WHICH ARE PART OF BUILT-UP HEADER SECTIONS SHALL BE UNPUNCHED FULL LENGTH.

COLD-FORMED METAL FRAMING SECTION PROPERTIES - SSMA C STUDS & JOISTS - S162 SECTIONS [1,2]
540SN002

GAUGE/MIL	20/33		18/43		16/54		14/68		S STUDS & JOISTS
DESIGNATION	S162-33		S162-43		S162-54		S162-68		
MIN THICKNESS	0.0329		0.0428		0.0538		0.0677		
DEPTH "D"	Ix	Sx	Ix	Sx	Ix	Sx	Ix	Sx	
2 1/2"	0.235	0.180	0.302	0.240	0.370	0.284	0.450	0.357	
3 5/8"	0.551	0.268	0.710	0.372	0.873	0.444	1.069	0.574	
4"	0.692	0.299	0.892	0.417	1.098	0.498	1.346	0.648	
6"	1.793	0.577	2.316	0.767	2.860	0.916	3.525	1.164	
8"	3.384	0.710	4.500	1.019	5.600	1.229	7.070	1.663	
10"	-	-	7.523	1.302	9.391	1.572	11.978	2.154	
12"	-	-	-	-	14.298	1.914	18.390	2.645	



NOTES:
1. FOR COMPLETE SECTION DESIGNATIONS IN ACCORDANCE WITH SSMA OR SFIA STANDARDS, ADD MEMBER DEPTH TO FRONT OF INDICATED DESIGNATION. EXAMPLE: FOR 3 5/8" MEMBER WITH GAUGE/MIL OF 18/43, THE FULL DESIGNATION IS 362S162-43.
2. SECTION PROPERTIES SHOWN ARE EFFECTIVE PROPERTIES CONFORMING TO AISI A7.2 PER SSMA OR SFIA STANDARDS FOR MATERIAL STRENGTH NOTED IN COLD-FORMED METAL FRAMING NOTES.

WINDOW SYSTEM DESIGN CRITERIA
100SN010

1. THE FOLLOWING DESIGN CRITERIA APPLIES TO ALL GLAZED OPENINGS (WINDOW SYSTEMS, STOREFRONT, CURTAIN WALL, WINDOW WALL, ETC). WINDOW SYSTEMS ARE A DELEGATED DESIGN SYSTEM TO BE OVERSEEN BY THE GENERAL CONTRACTOR.
2. ELEMENTS OF THE WINDOW SYSTEM SHALL BE DESIGNED FOR ALL VERTICAL AND LATERAL LOADING AS REQUIRED BY THE GOVERNING CODE AND AS SHOWN IN THE CONSTRUCTION DOCUMENTS, BUT SHALL NOT BE LESS THAN THE LOADS REQUIRED IN THE SPECIFICATIONS (WHERE OCCURS). WIND LOADS SHALL BE DERIVED USING ASCE 7 CHAPTER 30, WITH THE WIND SPEED AND EXPOSURE CATEGORY AS NOTED IN THE DESIGN CRITERIA ON SHEET S101 .
3. ALL WINDOW SYSTEM ATTACHMENTS SHALL BE MADE DIRECTLY TO THE BUILDING AT THE LOCATIONS SHOWN AND IN THE MANNER DEPICTED IN THE CONSTRUCTION DOCUMENTS. ATTACHMENT LOCATIONS PROVIDE EITHER VERTICAL SUPPORT OR OUT-OF-PLANE SUPPORT (OR BOTH) AS INDICATED IN THE CONSTRUCTION DOCUMENTS.
4. MULLIONS AND/OR OTHER WINDOW SYSTEM ELEMENTS SHALL BE DESIGNED TO SPAN BETWEEN THE SUPPORTS DESCRIBED IN NOTE 3. THE CONNECTIONS OF ANY INTERNAL ELEMENTS SHALL BE CAPABLE OF TRANSMITTING THE LOADS TO THE SUPPORTING MEMBER. MULLIONS SHALL BE DESIGNED TO MEET DEFLECTION CRITERIA IN ACCORDANCE WITH THE CBC.
5. WINDOW SYSTEM ELEMENTS SHALL BE FASTENED TO THE PRIMARY STRUCTURE BY MEANS OF MECHANICAL FASTENERS OR WELDS. ALL CONNECTIONS SHALL BE DESIGNED AND DETAILED TO MEET THE REQUIREMENTS OF ASCE 7 SECTION 13.5.3. ANY CONNECTOR TYPES AND/OR METHODS PROVIDED IN THE CONSTRUCTION DOCUMENTS ARE FOR REFERENCE ONLY.
6. WINDOW SYSTEM MANUFACTURER/INSTALLER SHALL DESIGN ALL CONNECTION MATERIALS (INCLUDING BUT NOT LIMITED TO EMBEDDED ITEMS, DIAGONAL BRACING ANGLES, BRACKETS, OUTRIGGERS, ETC.) AS REQUIRED FOR THE SUPPORT OF THE WINDOW SYSTEM. INSTALLATION OF EMBEDDED ITEMS SHALL BE COORDINATED BY GENERAL CONTRACTOR.
7. CONNECTIONS OF WINDOW SYSTEM SHALL ACCOMMODATE VERTICAL DEFLECTIONS OF THE STRUCTURE THROUGH THE USE OF RECEIVING CHANNELS, SLOTTED HOLES OR FLEXIBLE CONNECTIONS THAT PERMIT THE STRUCTURE TO DEFLECT WITHOUT INDUCING LOADS OR DISTORTIONS INTO THE WINDOW SYSTEM. WHERE WINDOW SYSTEMS ATTACH DIRECTLY OR INDIRECTLY TO THE FLOOR OR ROOF STRUCTURE, THE ATTACHMENT SHALL ACCOMMODATE DEFLECTIONS EQUAL TO A MINIMUM OF 1/2".
8. THE SYSTEM SHALL MEET THE DISPLACEMENT REQUIREMENTS OF ASCE 7 SECTIONS 13.3.2 AND 13.5.9. ALL ELEMENTS OF THE WINDOW SYSTEM SHALL BE DESIGNED TO ACCOMMODATE THE FOLLOWING IN-PLANE RELATIVE DISPLACEMENTS:
   SEISMIC (Dp) = 3/4"
   WIND = 3/4"
9. FOR WINDOW SYSTEMS WITH A SPAN GREATER THAN 10 FEET, THE WINDOW SYSTEM MANUFACTURER/INSTALLER SHALL SUBMIT COMPLETE DESIGN DRAWINGS AND CALCULATIONS FOR REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER. SUBMITTAL SHALL INCLUDE ALL GLAZING ELEMENTS, MULLIONS AND CONNECTIONS, INCLUDING MATERIAL PROPERTIES, SECTION PROPERTIES AND ANY OTHER INFORMATION NECESSARY TO COMPLETELY DOCUMENT THAT THE SYSTEM FULLY COMPLIES WITH ALL PROJECT REQUIREMENTS. DRAWINGS AND CALCULATIONS SHALL BE STAMPED AND SIGNED BY A CIVIL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
10. FOR WINDOW SYSTEMS WITH A SPAN LESS THAN 10 FEET, THE WINDOW SYSTEM MANUFACTURER/INSTALLER SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW.

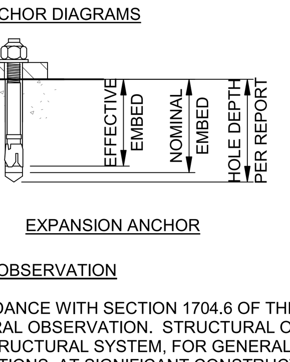
POWER-ACTUATED FASTENERS (SHOT PINS)
100SN016

1. THESE NOTES GOVERN ALL CONDITIONS CALLED OUT ON THE PLANS AS 'SHOT PINS' UNLESS SPECIFICALLY NOTED OTHERWISE.
2. ALL SHOT PINS SHALL BE X-U UNIVERSAL KNURLED SHANK FASTENERS WITH SHANK DIAMETER OF 0.157" AS MANUFACTURED BY HILTI INCORPORATED IN ACCORDANCE WITH ICC ESR-2269 AND THE CURRENT EDITION OF THE HILTI 'PRODUCT TECHNICAL GUIDE' OR CSI KNURLED SHANK FASTENERS w/ SHANK DIAMETER OF 0.157" AS MANUFACTURED BY DEWALT IN ACCORDANCE w/ ICC ESR-2024.
3. ALL SHOT PINS SHALL INCLUDE STANDARD HILTI STEEL WASHERS OR STANDARD DEWALT STEEL WASHERS.
4. SHOT PINS DRIVEN INTO STEEL BASE MATERIAL SHALL MAINTAIN A MINIMUM EDGE DISTANCE AT ALL STEEL ELEMENTS OF 1/2" AND MINIMUM FASTENER SPACING SHALL BE 1". LENGTH OF PIN SHALL BE AS REQUIRED TO PENETRATE THRU STEEL MEMBER UNO. AT 3/4" THICK STEEL, PENETRATION NEED NOT EXCEED 1/2".
5. SHOT PINS DRIVEN INTO CONCRETE BASE MATERIAL SHALL MAINTAIN A MINIMUM EDGE DISTANCE AT ALL CONCRETE ELEMENTS OF 3" AND MINIMUM FASTENER SPACING SHALL BE 4". PINS SHALL HAVE 1 1/4" PENETRATION UNO. MINIMUM CONCRETE THICKNESS SHALL BE 3 TIMES THE PENETRATION DEPTH. CONCRETE SHALL ATTAIN FULL DESIGN STRENGTH PRIOR TO INSTALLING SHOT PINS.
6. SHOT PINS DRIVEN INTO 3 1/4" MINIMUM LIGHT WEIGHT CONCRETE FILL OVER 3"x 20GA MINIMUM METAL DECK MAY BE INSTALLED FROM THE TOP OR FROM THE BOTTOM IN EITHER THE HIGH OR LOW FLUTE. PINS INSTALLED FROM THE TOP SHALL BE SPACED AS NOTED ABOVE FOR TYPICAL CONCRETE ELEMENTS. PINS INSTALLED FROM THE BOTTOM IN THE HIGH FLUTES SHALL BE INSTALLED WITHIN 1" OF FLUTE CENTER. PINS INSTALLED FROM THE BOTTOM IN THE LOW FLUTES SHALL BE INSTALLED WITHIN 1" OF THE FLUTE CENTER AND SHALL BE NO CLOSER THAN 1 1/8" TO THE EDGE OF THE LOW FLUTE. PINS INSTALLED FROM THE BOTTOM SHALL BE SPACED NO CLOSER THAN 5 1/2" PARALLEL TO THE FLUTES. PINS SHALL HAVE 1" PENETRATION INTO CONCRETE UNO. CONCRETE SHALL ATTAIN FULL DESIGN STRENGTH PRIOR TO INSTALLING SHOT PINS.
7. SHOT PIN INSTALLERS SHALL BE CERTIFIED BY HILTI AND HAVE A CURRENT HILTI ISSUED OPERATORS LICENSE OR CERTIFIED BY DEWALT AND HAVE A CURRENT DEWALT ISSUED OPERATORS LICENSE. SHOT PIN INSTALLATION SHALL MEET ALL OSHA REQUIREMENTS.

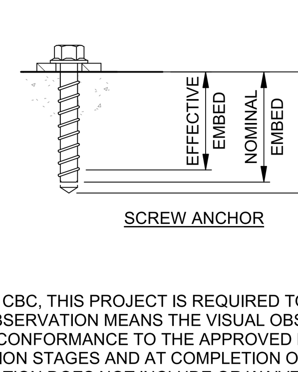
POST-INSTALLED ANCHORS
305SN001

1. FOR CONCRETE CONSTRUCTION, POST-INSTALLED ANCHORS SHALL BE ONE OF THE FOLLOWING:
   A. ADHESIVE ANCHORS FOR THRD ROD & REBAR:
      a. HILTI HIT-HY 200 V3 PER ESR-4868
      b. HILTI HIT-RE500 V3 PER ESR-3814
      c. SIMPSON SET-3G PER ESR-4057
      d. DEWALT PURE 110+ ESR-3298
   B. EXPANSION ANCHORS:
      a. HILTI KB-TZ2 PER ESR-4266
      b. SIMPSON STRONG BOLT 2 PER ESR-3037
      c. DEWALT POWER-STUD+ SD2, SD4 OR SD6 AS NOTED PER ESR-2502
   C. SCREW ANCHORS:
      a. HILTI KWIK HUS-EZ (KH-EZ) PER ESR-3027
      b. SIMPSON TITEN HD PER ESR-2713
      c. DEWALT SCREWBOLT+ PER ESR-3889
2. FOR GROUT-FILLED MASONRY CONSTRUCTION, POST-INSTALLED ANCHORS SHALL BE ONE OF THE FOLLOWING:
   A. ADHESIVE ANCHORS FOR THRD ROD & REBAR:
      a. HILTI HIT-HY 270 PER ESR-4143
      b. SIMPSON SET-3G PER ESR-4844
      c. DEWALT AC 100+ GOLD PER ESR-4105
   B. EXPANSION ANCHORS:
      a. HILTI KB-TZ2 PER ESR-4561
      b. SIMPSON STRONG-BOLT 2 PER IAPMO ER-240
      c. DEWALT POWER-STUD+ SD1 PER ESR-2966
   C. SCREW ANCHORS:
      a. HILTI KWIK HUS-EZ (KH-EZ) PER ESR-3056
      b. SIMPSON TITEN HD PER ESR-1056
      c. DEWALT SCREWBOLT+ PER ESR-4042
3. ANCHOR TYPE, SIZE & EMBEDMENT SHALL BE AS INDICATED IN DRAWINGS. POST-INSTALLED ANCHORS FOR REPAIR SHALL BE EVALUATED ON A CASE BY CASE BASIS. NOTIFY STRUCTURAL ENGINEER FOR REPAIRS.
4. ALL EMBEDMENT DEPTHS CALLED OUT IN DRAWINGS REFER TO EFFECTIVE EMBEDMENT UNLESS OTHERWISE NOTED. SEE DIAGRAM BELOW AND ICC REPORTS.
5. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN THE EVALUATION REPORT. PROVIDE MINIMUM EMBEDMENT PROVIDED IN ICC ESR REPORT UNLESS NOTED OTHERWISE.
6. PROVIDE SPECIAL INSPECTION AS INDICATED IN THE STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING AND THE EVALUATION REPORT.
7. WHEN INSTALLING POST-INSTALLED ANCHORS IN EXISTING CONCRETE OR MASONRY, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING BARS. DO NOT INSTALL ANCHORS WITHIN 1 1/2" OF CMU HEAD JOINTS. DO NOT INSTALL ANCHORS IN PRESTRESSED CONCRETE ELEMENTS.
8. ANCHORS INSTALLED FROM THE BOTTOM INTO METAL DECK WITH CONCRETE SHALL BE INSTALLED IN THE CENTER OF THE LOW FLUTE OF THE DECKING UNLESS NOTED OTHERWISE IN EVALUATION REPORT. THE DECKING SHALL HAVE A MINIMUM THICKNESS OF 20 GAUGE. THE MINIMUM THICKNESS OF THE CONCRETE ABOVE THE HIGH FLUTE OF THE METAL DECK SHALL BE AS INDICATED IN THE EVALUATION REPORT. SEE EVALUATION REPORT FOR ADDITIONAL REQUIREMENTS, INCLUDING MINIMUM DIMENSIONS FOR FLUTE WIDTH AND DEPTH.
9. THE CONCRETE SHALL HAVE ATTAINED ITS MINIMUM DESIGN STRENGTH PRIOR TO INSTALLATION OF THE ANCHORS.
10. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT THE TIME OF ANCHOR INSTALLATION PER ACI 318, CHAPTER 17.
11. INSTALLER CERTIFICATION AND INSPECTION IS REQUIRED FOR HORIZONTAL AND UPWARDLY INCLINED ADHESIVE ANCHORS SUBJECTED TO SUSTAINED TENSION LOADING IN ACCORDANCE WITH ACI 318, CHAPTER 17.
12. IF TEMPERATURE OF BASE MATERIAL AT TIME OF ADHESIVE ANCHOR INSTALLATION IS 45 DEGREES FARENHEIT OR LOWER, AN "ACRYLIC" OR COLD WEATHER ADHESIVE IS REQUIRED. USE DEWALT AC200+, SIMPSON AT-XP, OR HILTI HIT-HY200 WHEN THIS OCCURS.
13. THE INSPECTION OF THE ANCHORS SHALL BE DONE BY A QUALIFIED INSPECTION AGENCY AND A REPORT OF THE INSPECTION RESULTS SHALL BE SUBMITTED TO THE GOVERNING AGENCY AND ARCHITECT/STRUCTURAL ENGINEER.

INSTALLED ANCHOR DIAGRAMS



EXPANSION ANCHOR



SCREW ANCHOR

STRUCTURAL OBSERVATION
100SN017

1. IN ACCORDANCE WITH SECTION 1704.6 OF THE CBC, THIS PROJECT IS REQUIRED TO HAVE STRUCTURAL OBSERVATION. STRUCTURAL OBSERVATION MEANS THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM, FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS, AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED BY CBC SECTIONS 110 OR 1705. THE FOLLOWING PROJECT MILESTONES SHALL BE OBSERVED:
   A. FOLLOWING METAL FRAMING CONSTRUCTION (PRIOR TO COVERING).
2. THE OWNER SHALL EMPLOY THE ARCHITECT OR STRUCTURAL ENGINEER OF RECORD, OR ANOTHER REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT DESIGNATED TO PERFORM STRUCTURAL OBSERVATION. OBSERVED DEFICIENCIES SHALL BE REPORTED IN WRITING TO THE OWNER'S REPRESENTATIVE, SPECIAL INSPECTOR, CONTRACTOR AND BUILDING OFFICIAL. THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A STATEMENT THAT THE FIELD VISITS HAVE OCCURRED AND IDENTIFY ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.
3. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL OBSERVER A MINIMUM OF 48 HOURS IN ADVANCE OF PROJECT MILESTONES SO THAT OBSERVATIONS MAY BE SCHEDULED.

EXISTING STRUCTURES
100SN801

1. EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS IS BASED ON AVAILABLE DRAWINGS AND/OR LIMITED VISUAL OBSERVATIONS. OBTAIN ALL AVAILABLE DRAWINGS AND MAINTAIN A SET ON THE JOB SITE. REVIEW AND BECOME FAMILIAR WITH DRAWINGS AND REFER TO TO THEM FOR ADDITIONAL INFORMATION. AVAILABLE DRAWINGS REFERENCED IN THE PREPARATION OF THESE DRAWINGS ARE:
   A. CARRIER JOHNSON; "ONTARIO PD :: HEADQUARTERS, 2534 S. ARCHIBALD AVE., ONTARIO, CALIFORNIA, 91761;" SHEETS A0.1, A0.0, A0.2 TO A0.4, A1.0.0 TO A1.0.8, A2.0.0 TO A2.0.5, A2.1.1 TO A2.1.4FE, A2.2.5 TO A2.2.5FE, A2.3.0., A2.4.0, A3.1.1R TO A3.1.5R, A4.1 TO A4.4, A5.1, A5.11, A6.0.0 TO A6.1.9, A7.1 TO A7.7, A8.0.1 TO A8.0.6, A8.1.1 TO A8.1.5, A9.0.1, A9.0.2; DELTA F13 SET DATED 7/1/2003.
   B. ROESSLER DESIGN GROUP; "ONTARIO PD :: HEADQUARTERS, 2534 S. ARCHIBALD AVE., ONTARIO, CALIFORNIA, 91761;" SHEETS S1.1 TO S1.6, S2.1 TO S2.4, S3.1 TO S3.3; DELTA 2 SET DATED 3/20/2003.
2. VERIFY ALL EXISTING CONDITIONS AFFECTING THE WORK. NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IN WRITING OF ALL DISCREPANCIES AND EXCEPTIONS. PROCEEDING WITH WORK IN AREAS HAVING DISCREPANCIES OR EXCEPTIONS IS AT THE CONTRACTOR'S SOLE RISK.
3. ALL DIMENSIONS GIVEN FOR EXISTING STRUCTURE ARE APPROXIMATE AND ARE BASED ON THE INFORMATION AVAILABLE OR DETERMINED DURING PROJECT DESIGN. REVIEW AVAILABLE DRAWINGS AND VERIFY ALL DIMENSIONS AFFECTING THE WORK PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL ANTICIPATE THAT THERE MAY BE VARIANCE IN THE EXACT SIZE AND LOCATION OF EXISTING ELEMENTS. WHERE ACTUAL DIMENSIONS DEVIATE FROM THOSE SHOWN ON THE DRAWINGS, PREVENT THE FULL SPECIFED DIMENSIONS OF NEW ELEMENTS, OR PREVENT THE SPECIFIED INSTALLATION OR ALIGNMENT OF NEW ELEMENTS, NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER.
4. WORK NOTED AS "EXISTING" OR "(E)" IS TO REMAIN, PROTECT IN PLACE UNLESS NOTED OTHERWISE; ALL ITEMS NOT SPECIFICALLY NOTED AS EXISTING ARE CONSIDERED NEW WORK AND ARE PART OF THE CONTRACTED WORK.
5. UNLESS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS, EXCAVATIONS OF ANY KIND SHALL NOT OCCUR UNDER EXISTING FOUNDATIONS OR WITHIN THEIR ZONE OF INFLUENCE. WHERE NEW CONSTRUCTION WOULD DISTURB THE EXISTING FOUNDATIONS OR THE SOIL WITHIN THEIR ZONE OF INFLUENCE, NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER.
6. WHEN WORK IS PERFORMED IN AN EXISTING BUILDING, UNDOCUMENTED FOUNDATIONS OR BURIED SUBGRADE STRUCTURES MAY BE ENCOUNTERED. NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IF ANY SUCH CONDITIONS ARE ENCOUNTERED WHILE IMPLEMENTING THE WORK. DO NOT DEMOLISH THE EXISTING CONDITIONS UNLESS DIRECTED TO DO SO.

SELECTIVE DEMOLITION
100SN803

1. EXTENT OF DEMOLITION IS TO BE AS INDICATED ON PLANS, SECTIONS AND DETAILS. PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF THE EXISTING STRUCTURE AND SITE DURING DEMOLITION AND CONSTRUCTION. MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, PROVIDING ADEQUATE SHORING, BRACING, WEATHER PROTECTION, AND DUST PROTECTION. SEE SPECIFICATIONS FOR ADDITIONAL DEMOLITION INSTRUCTIONS.
2. DEMOLITION SHALL INCLUDE REMOVAL AND DISPOSAL OF DEMOLISHED CONSTRUCTION. ALL REMOVED ITEMS, MATERIALS AND DEBRIS, ARE THE PROPERTY OF THE CONTRACTOR, UNLESS NOTED OTHERWISE.
3. REMOVED ITEMS INTENDED FOR REINSTALLATION SHALL BE PROTECTED AND STORED AS REQUIRED BY OWNER. VERIFY STORAGE AND REINSTALLATION OF EXISTING ELEMENTS WITH ARCHITECTURAL DRAWINGS.
4. REMOVED ITEMS TO BE PROVIDED TO THE OWNER SHALL BE PROTECTED, PACKAGED AND DELIVERED TO THE OWNER.
5. EXISTING STRUCTURAL ELEMENTS SHALL NOT BE REMOVED, CUT OR MODIFIED UNLESS INDICATED ON THE STRUCTURAL DRAWINGS. IF AN ELEMENT'S STATUS AS STRUCTURAL IS UNCERTAIN, NOTIFY THE STRUCTURAL ENGINEER.
6. ANY CONFLICTING ITEMS NOT SPECIFICALLY SHOWN (INCLUDING BUT NOT LIMITED TO HIDDEN CONDITIONS, UNDERGROUND PIPES, CONDUITS, ETC.) SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.
7. REMOVAL OR MODIFICATION OF EXISTING ELEMENTS SHALL BE PERFORMED IN A MANNER TO PREVENT DAMAGE TO THOSE ELEMENTS TO REMAIN. SHOULD DAMAGE OCCUR TO ANY EXISTING ELEMENTS, RESTORE THE ELEMENTS TO THEIR ORIGINAL CONDITION ACCORDING TO THE REQUIREMENTS OF THE ARCHITECT AND STRUCTURAL ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
8. IF EXISTING ELEMENTS NOT INDICATED FOR REPLACEMENT OR MODIFICATION ARE DISCOVERED TO BE DAMAGED OR ARE DIFFERENT THAN INDICATED, NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER. SUCH DAMAGE OR DIFFERENCE SHALL INCLUDE, BUT NOT BE LIMITED TO, DRY-ROT, WATER DAMAGE, INSECT DAMAGE, POOR WORKMANSHIP, BUCKLING, EXCESSIVE DEFLECTION, SAGGING, TWISTING, WARPING, AND DIFFERENT SIZE, ORIENTATION, GRADE, QUALITY OR MATERIAL.
9. PERFORM ALL PATCHING AND RESTORATION AS REQUIRED BY THE WORK. THE WORK SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE OWNER UNLESS SPECIFICALLY NOTED OTHERWISE.

ABBREVIATIONS
100SN003

(A) - OCCURS ABOVE
AB - ANCHOR BOLT
ABV - ABOVE
ADDL - ADDITIONAL
AHU - AIR HANDLING UNIT
ALT - ALTERNATE
APPROX - APPROXIMATE
ARCH - ARCHITECTURAL
(B) - OCCURS BELOW
BLDG - BUILDING
BLKG - BLOCKING
BLW - BELOW
BM - BEAM
B.O. - BOTTOM OF
BOF - BOTTOM OF FOOTING
BOTT - BOTTOM
BRCG - BRACING
BRG - BEARING
BTWN - BETWEEN
BYND - BEYOND
CC - CENTER TO CENTER
CG - CENTER OF GRAVITY
CJ - CONSTRUCTION JOINT
CJP - COMPLETE JOINT PENETRATION
CL - CENTERLINE
CLG - CEILING
CLR - CLEAR
CMU - CONCRETE MASONRY UNIT
COL - COLUMN
CONC - CONCRETE
CONN - CONNECTION
CONT - CONTINUOUS
CONTR - CONTRACTOR
COORD - COORDINATE
CSK - COUNTERSINK
DBL - DOUBLE
DF - DOUGLAS FIR
DIAG - DIAGONAL
DL - DEAD LOAD
DWG - DRAWING
(E) - EXISTING
EA - EACH
EF - EACH FACE OR EDGE FASTENER
EFF - EFFECTIVE
EJ - EXPANSION JOINT
ELEC - ELECTRICAL
ELEV - ELEVATION
EN - EDGE NAILING
EOS - EDGE OF SLAB
EQ - EQUAL
ES - EACH SIDE
EW - EACH WAY
EXT - EXTERIOR
FB - FACE OF BLOCK/BRICK OR FLAT BAR
FC - FACE OF CONCRETE
FDN - FOUNDATION
FF - FINISH FLOOR
FRMG - FRAMING
FRT - FIRE RETARDANT TREATED
FS - FACE OF STUD OR FAR SIDE
FTG - FOOTING
GA - GAUGE OR GAGE
GALV - GALVANIZED
GLB - GLUED LAMINATED BEAM
GR - GRADE
GYP - GYPSUM
HD - HOLDOWN
HDR - HEADER
HGR - HANGER
HK - HOOK
HORIZ - HORIZONTAL
HSB - HIGH STRENGTH BOLT
HSS - HOLLOW STRUCTURAL SECTION
HT - HEIGHT
INT - INTERIOR
JH - JOIST HANGER
LL - LIVE LOAD
LLH - LONG LEG HORIZONTAL
LLV - LONG LEG VERTICAL
LONGIT - LONGITUDINAL
LS - LAG SCREW
LW - LIGHTWEIGHT
LWC - LIGHTWEIGHT CONCRETE
MECH - MECHANICAL
MFR - MANUFACTURER
MI - MALLEABLE IRON
× - MARK
MTL - METAL
(N) - NEW
NIC - NOT IN CONTRACT
NS - NEAR SIDE
NTS - NOT TO SCALE
NW - NORMAL WEIGHT
NWC - NORMAL WEIGHT CONCRETE
o/ - OVER
OD - OUTSIDE DIAMETER
OH - OPPOSITE HAND
OPNG - OPENING
OSB - ORIENTED STRAND BOARD
PAF - POWER ACTUATED FASTENER
PC - PIECE
PERP - PERPENDICULAR
PJ - PANEL JOINT
PJP - PARTIAL JOINT PENETRATION
PL - PLATE
PT - PRESSURE TREATED OR POST-TENSIONED
PW - PUDDLE WELD
REINF - REINFORCING OR REINFORCEMENT
REQD - REQUIRED
RWD - REDWOOD
SC - SLIP CRITICAL
SCH - SCHEDULE
SEOR - STRUCTURAL ENGINEER OF RECORD
SHTG - SHEATHING
SIM - SIMILAR
SJ - SLAB CONTROL JOINT
SMS - SHEET METAL SCREW
SOG - SLAB-ON-GRADE
SP - STRUCTURAL PANEL
SPCG - SPACING
SQ - SQUARE
SS - STAINLESS STEEL
STD - STANDARD
STFNR - STIFFENER
STGRD - STAGGERED
STL - STEEL
STRUCT - STRUCTURAL
SW - SHEAR WALL
T&B - TOP & BOTTOM
T&G - TONGUE & GROOVE
THRD - THREADED
TN - TOE NAIL
T.O. - TOP OF
TOC - TOP OF CONCRETE (SLAB UNO)
TOF - TOP OF FOOTING OR TOP OF FRAMING
TOS - TOP OF STEEL
TOW - TOP OF WALL
TRANS - TRANSVERSE
TYP - TYPICAL
UNO - UNLESS NOTED OTHERWISE
VERT - VERTICAL
VIF - VERIFY IN FIELD
WF - WIDE FLANGE
WHS - WELDED HEADED STUD
WP - WORK POINT
WS - WOOD SCREW
WWF - WELDED WIRE FABRIC
XS - EXTRA STRONG
XXS - DOUBLE EXTRA STRONG
Ø - ROUND OR DIAMETER

STRUCTURAL SHEET INDEX

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S505	METAL STUD INTERIOR DETAILS
S506	STRUCTURAL STEEL INTERIOR DETAILS

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DAVID S. POMERLEAU
No. 4537
STRUCTURAL
STATE OF CALIFORNIA

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:10:01 PM

CLIENT:
ONTARIO POLICE DEPARTMENT
CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
GENERAL NOTES

SHEET NO.:
S101

STRUCTURAL SPECIAL INSPECTIONS AND TESTING

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING
1105N501

1. SPECIAL INSPECTIONS AND TESTING SHALL BE PROVIDED BY A TESTING AND INSPECTION AGENCY, EMPLOYED BY THE OWNER (OR OWNER'S AUTHORIZED AGENT), AND APPROVED BY THE BUILDING OFFICIAL TO PROVIDE SPECIAL INSPECTIONS AND TESTING FOR THE PARTICULAR TYPE OF CONSTRUCTION.
2. TABLES OF SPECIAL INSPECTIONS AND TESTING ARE DERIVED FROM THE STRUCTURAL PROVISIONS OF THE CBC AND REFERENCED STANDARDS AND ARE FOR REFERENCE ONLY. THE INCLUDED TABLES ARE PROVIDED FOR THE CONVENIENCE OF THE OWNER, TESTING AGENCY AND CONTRACTOR IN DEVELOPING THE SCOPE OF WORK FOR REQUIRED TESTING AND INSPECTION OF STRUCTURAL MATERIALS AND COMPONENTS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL SPECIAL INSPECTION AND TESTING REQUIREMENTS. FINAL DEFINITION OF THIS SCOPE OF WORK IS TO BE DETERMINED BY THE TESTING AGENCY AND THE OWNER (OR OWNER'S AUTHORIZED AGENT).
3. FREQUENCY OF SPECIAL INSPECTIONS AND TESTING SHALL BE, AT A MINIMUM, AS NOTED FOR THE INDIVIDUAL ELEMENTS WITHIN THE TABLES BELOW. THE CONTRACTOR SHALL COORDINATE TIMING OF SPECIAL INSPECTIONS AND TESTING WITH THE SPECIAL INSPECTION AND TESTING AGENCY.
4. PRIOR TO THE START OF CONSTRUCTION, THE TESTING AND INSPECTION AGENCY SHALL PROVIDE DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING OF THE SPECIAL INSPECTORS WHO WILL PERFORM THE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION, IN ACCORDANCE WITH CBC SECTION 1704.2.1
5. THE TESTING AND INSPECTION AGENCY SHALL SUBMIT REPORTS OF SPECIAL INSPECTIONS AND TESTS TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER OF RECORD AND THE CONTRACTOR, PER CBC SECTION 1704.2.4. THE REPORTS SHALL INDICATE WHETHER WORK INSPECTED OR TESTED CONFORMED TO THE APPROVED CONSTRUCTION DOCUMENTS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER OF RECORD.
6. SPECIAL INSPECTION AND TESTING RECORDS SHALL BE RETAINED BY THE CONTRACTOR ON SITE UNTIL COMPLETION OF CONSTRUCTION.
7. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT TO THE BUILDING OFFICIAL ACKNOWLEDGING RESPONSIBILITY FOR CONSTRUCTION OF THE MAIN LATERAL-FORCE RESISTING SYSTEM PRIOR TO COMMENCEMENT OF THAT WORK AS REQUIRED BY CBC SECTION 1704.4.
8. THE OWNER OR THE OWNER'S AUTHORIZED AGENT SHALL SUBMIT TO THE BUILDING OFFICIAL, A FINAL REPORT DOCUMENTING SPECIAL INSPECTIONS AND TESTS PER CBC SECTION 1704.2.4, AND REPORTS AND CERTIFICATES PER CBC SECTION 1704.5.
9. ALL SOILS AND FOUNDATION EXCAVATION INSPECTIONS SHALL BE BY THE GEOTECHNICAL ENGINEER OF RECORD, OR A GEOTECHNICAL FIRM HIRED BY THE OWNER PER CBC SECTION 1705.6.
10. SPECIAL INSPECTION IS REQUIRED FOR ALL SHOP FABRICATED MEMBERS OR ASSEMBLIES UNLESS WAIVED PER THE EXCEPTIONS IN CBC SECTION 1704.2.5.
11. DEFINITIONS:
    a. CONTINUOUS - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS CONTINUOUSLY PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
    b. PERIODIC - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
    c. QUALITY ASSURANCE (QA) - MONITORING AND INSPECTION TASKS PERFORMED BY AN AGENCY OR FIRM OTHER THAN THE FABRICATOR OR ERECTOR TO ENSURE THAT THE MATERIAL PROVIDED AND WORK PERFORMED BY THE FABRICATOR AND ERECTOR MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. QUALITY ASSURANCE INCLUDES THOSE TASKS DESIGNATED 'SPECIAL INSPECTION' BY THE APPLICABLE CODE.
    d. QUALITY CONTROL (QC) - CONTROLS AND INSPECTIONS IMPLEMENTED BY THE FABRICATOR OR ERECTOR, AS APPLICABLE, TO ENSURE THAT THE MATERIAL PROVIDED AND WORK PERFORMED MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
    e. OBSERVE (O) - OBSERVE THESE ITEMS ON A RANDOM BASIS (DAILY FOR LFRS). OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
    f. PERFORM (P) - PERFORM THOSE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.
    g. DOCUMENT (D) - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORT NEED NOT PROVIDE DETAILED MEASUREMENTS FOR JOINT FIT-UP, WPS SETTINGS, COMPLETED WELDS, OR OTHER INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION REPORT.
12. SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED DURING CONSTRUCTION ON THE WORK SHOWN IN THE CONSTRUCTION DOCUMENTS AS REQUIRED BY CBC CHAPTER 17, THE TABLES LISTED BELOW, AND THE JURISDICTION'S SPECIAL INSPECTION AND TESTING FORM. IF DISCREPANCIES ARE NOTED, CONTACT THE SEOR. ALL EXCEPTIONS INCLUDED IN CBC CHAPTER 17 ARE PERMITTED TO BE USED.
    - SOILS
    - CONCRETE CONSTRUCTION
    - STEEL CONSTRUCTION - WELDING INSPECTION
    - STEEL CONSTRUCTION - BOLTING

SOILS - REQUIRED SPECIAL INSPECTIONS AND TESTS
CBC TABLE 1705.6
1105N201

TYPE	CONTINUOUS	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

CONCRETE CONSTRUCTION - REQUIRED SPECIAL INSPECTIONS AND TESTS
CBC TABLE 1705.3
1105N301

TYPE	CONTINUOUS	PERIODIC	REFERENCED STANDARD [A]
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	X	ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3
2. REINFORCING BAR WELDING:			AWS D1.4 ACI 318: 26.6.4
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	-	X	
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	-	X	
C. INSPECT ALL OTHER WELDS	X	-	
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 17.8.2
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. [B]			ACI 318: 17.8.2.4, 17.8.2
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	x	-	
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	-	X	
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 19, 26.4.3, 26.4.4
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 26.5
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5
9. INSPECT PRESTRESSED CONCRETE FOR:			ACI 318: 26.10
A. APPLICATION OF PRESTRESSING FORCES	X	-	
B. GROUTING OF BONDED PRESTRESSING TENDONS.	X	-	
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	-	X	ACI 318: CH. 26.9
11. FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD FOR:			ACI 318: 26.13.1.3 ACI 550.5
A. INSTALLATION OF THE EMBEDDED PARTS.	X	-	
B. COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS.	X	-	
C. COMPLETION OF CONNECTIONS IN THE FIELD.	X	-	
12. INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5.	-	X	ACI 318: 26.13.1.3
13. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.11.2
14. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.11.1.2(b)

A. WHERE APPLICABLE, SEE SECTION 1705.13.

B. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF THE WORK.

STEEL CONSTRUCTION - WELDING - REQUIRED SPECIAL INSPECTIONS
AISC360 TABLE N5.4-1, N5.4-2, N5.4-3
1105N501

INSPECTION TASKS PRIOR TO WELDING	QC	QA
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	P	O
WPS AVAILABLE	P	P
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O
WELDER IDENTIFICATION SYSTEM [1]	O	O
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATION • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	O	O
FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K- JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) • JOINT PREPARATION • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	P	O
CONFIGURATION AND FINISH OF ACCESS HOLES	O	O
FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	O	O
CHECK WELDING EQUIPMENT	O	-
INSPECTION TASKS DURING WELDING	**QC**	**QA**
CONTROL AND HANDLING OF WELDED CONSUMABLES • PACKAGING • EXPOSURE CONTROL	O	O
NO WELDING OVER CRACKED TACK WELDS	O	O
ENVIRONMENTAL CONDITIONS • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE	O	O
WPS FOLLOWED • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) • PROPER POSITION (F, V, H, OH)	O	O
WELDING TECHNIQUES • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	O	O
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	P
INSPECTION TASKS AFTER WELDING	**QC**	**QA**
WELDS CLEANED	O	O
SIZE, LENGTH AND LOCATION OF WELDS	P	P
WELDS MEET VISUAL ACCEPTANCE CRITERIA • CRACK PROHIBITION • WELD/BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY	P	P
ARC STRIKES	P	P
K-AREA [2]	P	P
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES [3]	P	P
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P
REPAIR ACTIVITIES	P	P
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	O	O

[1] THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW- STRESS TYPE.

[2] WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75MM) OF THE WELD.

[3] AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1D) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

COLD-FORMED STEEL DECK - REQUIRED SPECIAL INSPECTIONS AND TESTS
CBC SECTION 1705.2.2/SDI QA/QC STANDARD TABLES 1.1-1.8
1105N505

INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT	QC	QA
A. VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	P	P
B. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	P	P
INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT	**QC**	**QA**
A. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	P	P
B. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	N/A	P
C. DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	P	P
INSPECTION OR EXECUTION TASKS PRIOR TO WELDING	**QC**	**QA**
A. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	O	O
B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	O	O
C. MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O
D. CHECK WELDING EQUIPMENT	O	O
INSPECTION OR EXECUTION TASKS DURING WELDING	**QC**	**QA**
A. USE OF QUALIFIED WELDERS	O	O
B. CONTROL AND HANDLING OF WELDING CONSUMABLES	O	O
C. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	O	O
D. WPS FOLLOWED	O	O
INSPECTION OR EXECUTION TASKS AFTER WELDING	**QC**	**QA**
A. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	P	P
B. WELDS MEET VISUAL ACCEPTANCE CRITERIA	P	P
C. VERIFY REPAIR ACTIVITIES	P	P
D. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	P	P
INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING	**QC**	**QA**
A. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	O	O
B. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	O	O
C. PROPER STORAGE FOR MECHANICAL FASTENERS	O	O
INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING	**QC**	**QA**
A. FASTENERS ARE POSITIONED AS REQUIRED	O	O
B. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	O	O
INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING	**QC**	**QA**
A. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	P	P
B. CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	P	P
C. CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	P	P
D. VERIFY REPAIR ACTIVITIES	P	P
E. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	P	P

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LOS ANGELES, CA 90071
323 536 2363

STAMPS:

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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
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CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
STRUCTURAL SPECIAL INSTRUCTIONS AND TESTING

SHEET NO.:
S102

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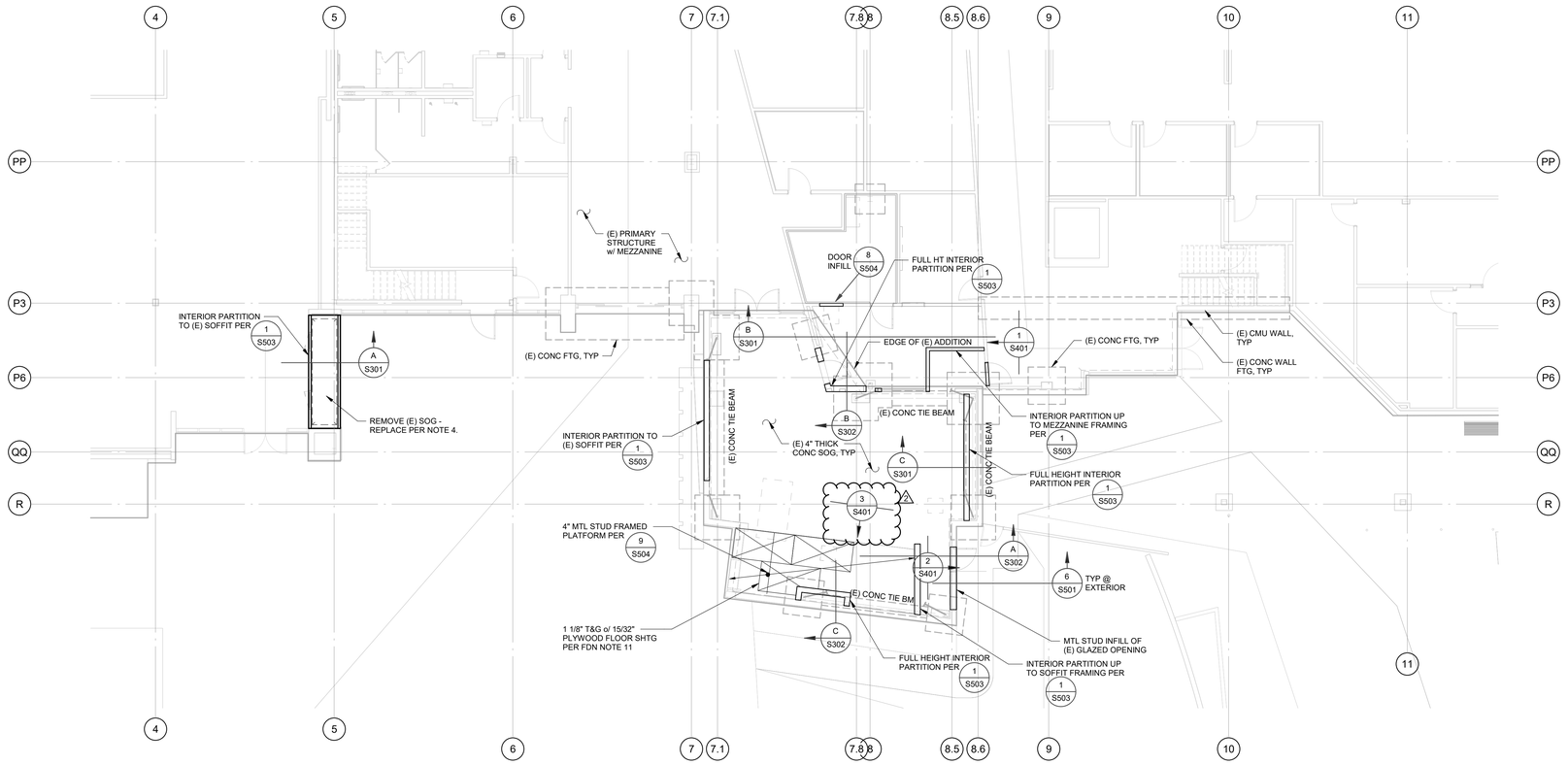

FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. NOTES AND DETAILS ON SHEETS LABELED AS "GENERAL" OR "TYPICAL" ARE APPLICABLE TO ALL DRAWINGS, UNO.
2. VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS w/ ARCH DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS w/ DIMENSIONS SHOWN.
3. DIMENSIONS SHOWN ARE TO THE CL OF COLUMN, FACE OF STUD UNO.
4. SLAB ON GRADE SHALL BE 5" THICK CONCRETE w/ #4 @ 18"CC EW AT MID-DEPTH. CONCRETE SHALL BE INSTALLED OVER 15 MIL VAPOR RETARDER OVER 4" CLEAN CRUSHED ROCK. TOP OF CONCRETE SLAB TO MATCH EXISTING ADJACENT INTERIOR SLAB.
5. PROVIDE SLAB ON GRADE CONTROL JOINTS (SJ) AS INDICATED PER **3/SS01** TYP AT ALL INTERIOR SLABS. CONSTRUCTION JOINTS (CJ) MAY REPLACE CONTROL JOINTS AS REQUIRED.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE SLAB CONTROL JOINTS WITH ANY ARCHITECTURALLY EXPOSED SLAB AREAS OR THE LOCATION OF TILE CRACK CONTROL JOINTS. VERIFY SPECIAL CONDITION CONTROL JOINTS WITH ARCH DRAWINGS.
7. COORDINATE CURB LOCATIONS AND EXTENTS WITH ARCH DRAWINGS. FOR CURBS BELOW NON-STRUCTURAL WALLS, SEE **6/SS01**.
8. TEMPORARY LOADS APPLIED DURING CONSTRUCTION HAVE NOT BEEN CONSIDERED IN SLAB ON GRADE DESIGN.
9. SEE ARCH & CIVIL DRAWINGS FOR ALL EXTERIOR CURBS, FLATWORK, PLANTERS, RAMPS, ETC.
10. PROVIDE 3" MIN. CONCRETE COVER AT STRUCTURAL STEEL AND ANCHOR BOLTS BELOW GRADE, TYP.
11. PLYWOOD FLOOR SHEATHING PER PLAN. MINIMUM SPAN RATING SHALL BE 32/16. LAY LONG DIMENSION PERPENDICULAR TO JOISTS w/ #10 SMS @ 6"CC AT BOUNDARIES & EDGES, AND 12"CC FIELD UNO. PROVIDE JOIST BLOCKING AT ALL EDGES.

FOUNDATION LEGEND

- CONCRETE CURB. VERIFY EXTENT w/ ARCH DWGS.
- INDICATES CHANGE IN SLAB TYPE OR THICKNESS. SEE PLAN FOR EXTENT, TYPE, AND GEOMETRY. SEE ARCH DWGS FOR EXACT LOCATION AND EXTENT.
- HSS6x6x1/2 — HSS COLUMN & SIZE.
- W8x10 — WIDE FLANGE COLUMN & SIZE.
- (E) BRACED FRAME.
- MF — SPECIAL MOMENT-RESISTING FRAME, SEE ELEVATIONS FOR ADDITIONAL INFORMATION.
- (E) CMU WALL.
- STRUCTURAL METAL STUD WALL.
- REPLACEMENT SLAB FOR TRENCHING OR INFILL OF OTHER OPENING.

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DAVID L. PROCHNOW No. 4537 REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA

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	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC REVISIONS
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PROJECT NO.: ONT.010

SHEET TITLE:

FOUNDATION PLAN

SHEET NO.:

S201

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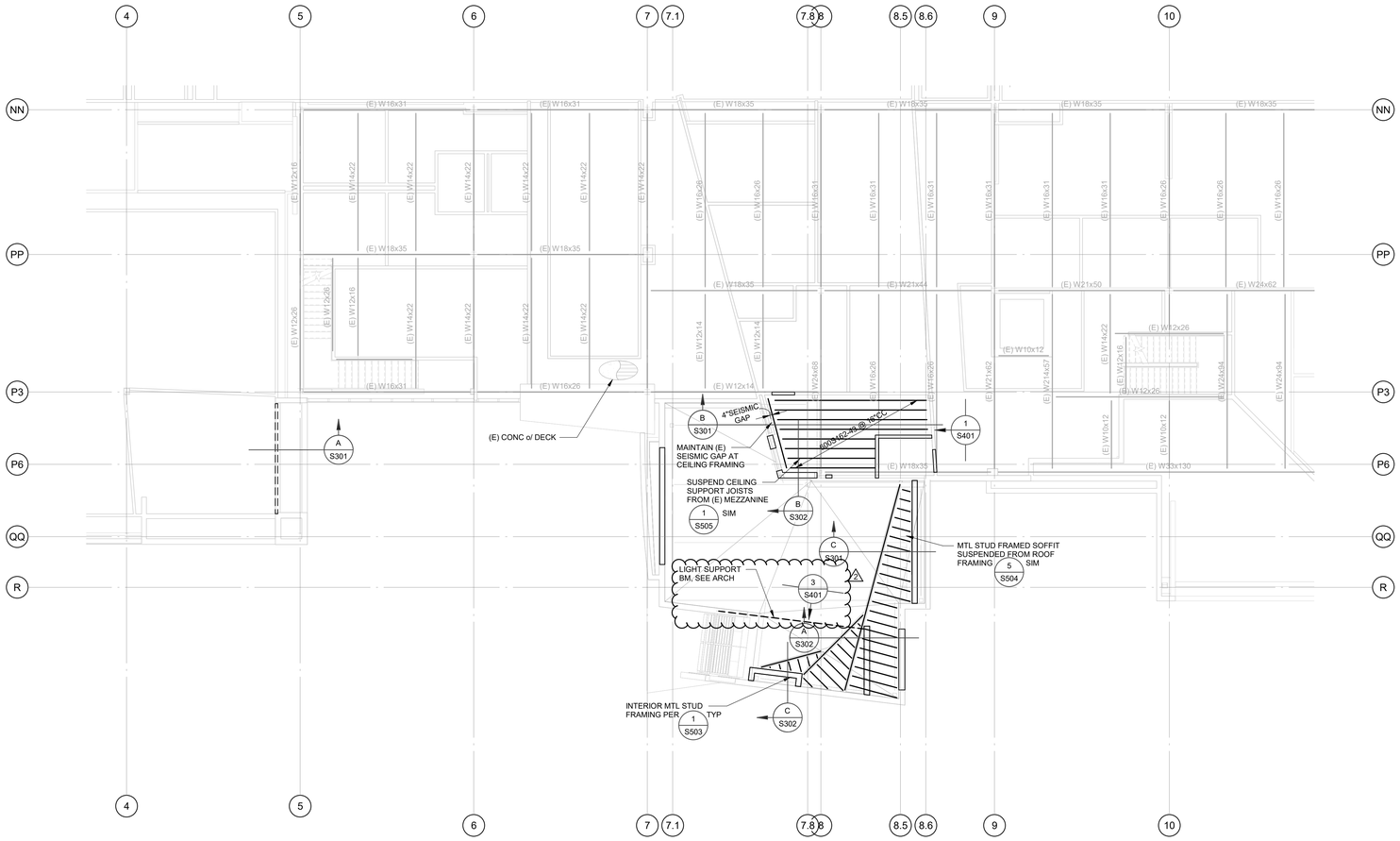

CEILING FRAMING PLAN

1/8" = 1'-0"

FRAMING PLAN NOTES

1. NOTES AND DETAILS ON SHEETS LABELED AS "GENERAL" OR "TYPICAL" ARE APPLICABLE TO ALL DRAWINGS, UNO.
2. VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS w/ ARCH DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS w/ DIMENSIONS SHOWN.
3. DIMENSIONS SHOWN ARE TO CL OF COLUMN, UNO.
4. SEPARATION JOINT DIMENSIONS SHOWN ON PLAN INDICATE MINIMUM CLEAR DISTANCE REQUIRED BETWEEN ADJACENT BLDG ELEMENTS. WHERE BLDG FINISHES/FIRE PROTECTION OCCUR, CLEAR DIMENSION SHALL BE MAINTAINED BTWN THOSE ELEMENTS.
5. CONTRACTOR TO COORDINATE EXACT LOCATION OF FRAMING MEMBERS SUPPORTING MECHANICAL UNITS & SIMILAR ITEMS NOT DIMENSIONED ON PLANS.

FRAMING LEGEND

- WIDE FLANGE COLUMN. SIZE INDICATED AT BASE LEVEL OF COLUMN ONLY.
- HSS COLUMN. SIZE INDICATED AT BASE LEVEL OF COLUMN ONLY.
- STEEL BRACED FRAME.
- WALL BELOW, SEE FOUNDATION OR FRAMING LEVEL BELOW FOR WALL TYPE.
- METAL STUD STRUCTURAL WALL ABOVE.
- METAL STUD STRUCTURAL WALL BELOW.

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PROJECT NO.: ONT.010

SHEET TITLE:
MEZZANINE
FLOOR FRAMING

SHEET NO.:
S202

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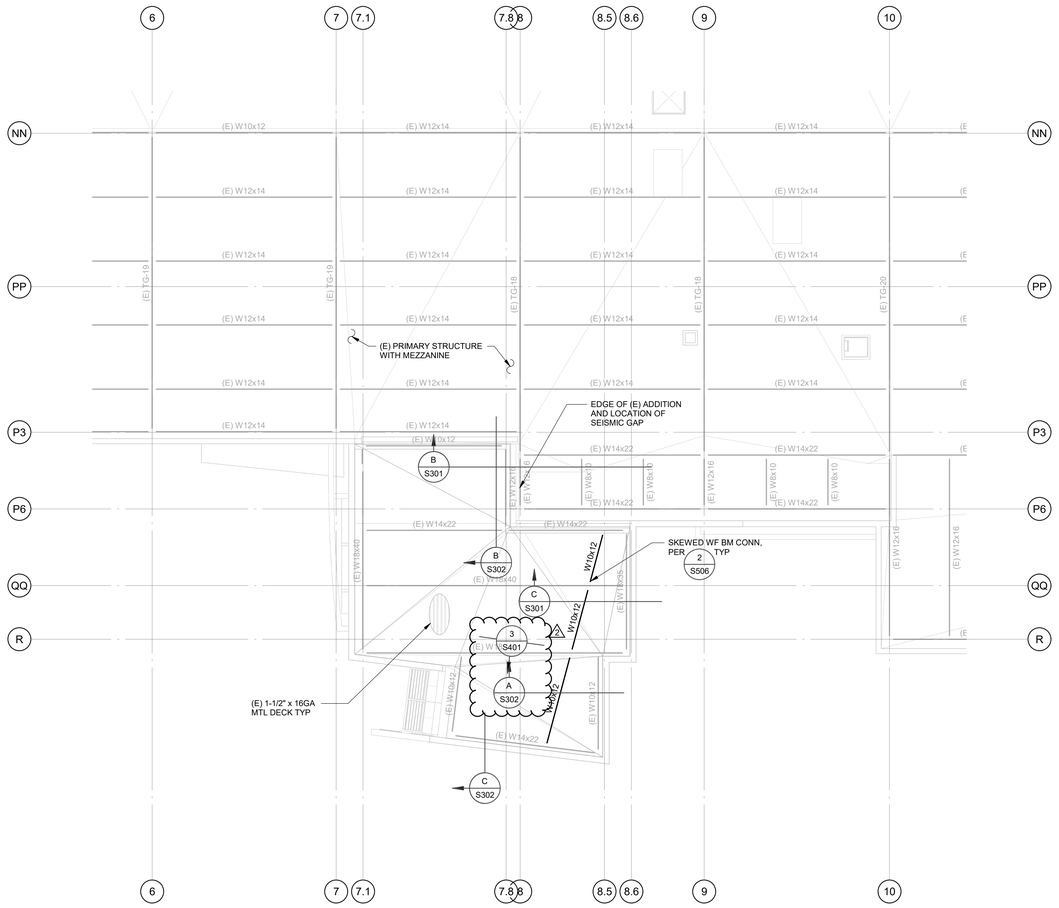

ROOF FRAMING PLAN

1/8" = 1'-0"

FRAMING PLAN NOTES

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3. DIMENSIONS SHOWN ARE TO CL OF COLUMN, UNO.
4. SEPARATION JOINT DIMENSIONS SHOWN ON PLAN INDICATE MINIMUM CLEAR DISTANCE REQUIRED BETWEEN ADJACENT BLDG ELEMENTS. WHERE BLDG FINISHES/FIRE PROTECTION OCCUR, CLEAR DIMENSION SHALL BE MAINTAINED BTWN THOSE ELEMENTS.
5. CONTRACTOR TO COORDINATE EXACT LOCATION OF FRAMING MEMBERS SUPPORTING MECHANICAL UNITS & SIMILAR ITEMS NOT DIMENSIONED ON PLANS.

FRAMING LEGEND

- WIDE FLANGE COLUMN. SIZE INDICATED AT BASE LEVEL OF COLUMN ONLY.
- HSS COLUMN. SIZE INDICATED AT BASE LEVEL OF COLUMN ONLY.
- STEEL BRACED FRAME.
- WALL BELOW, SEE FOUNDATION OR FRAMING LEVEL BELOW FOR WALL TYPE.
- METAL STUD STRUCTURAL WALL ABOVE.
- METAL STUD STRUCTURAL WALL BELOW.

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PROJECT NO.: ONT.010

SHEET TITLE:

ROOF FRAMING PLAN

SHEET NO.:

S203

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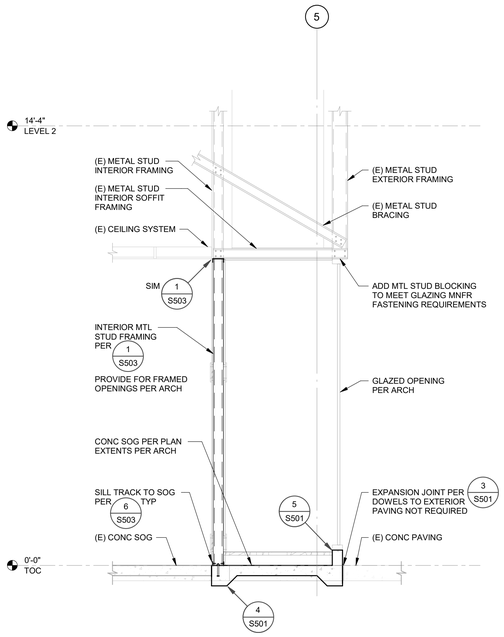
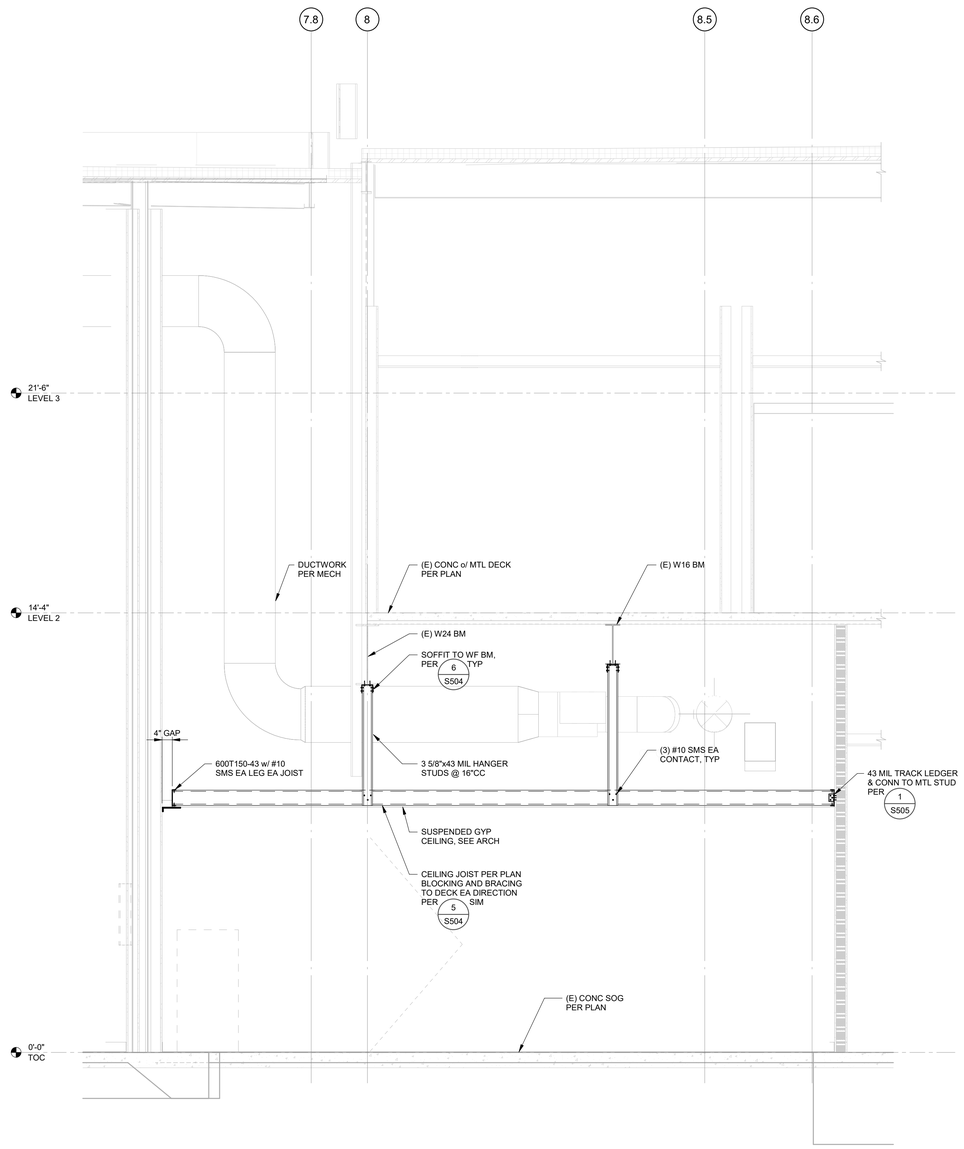
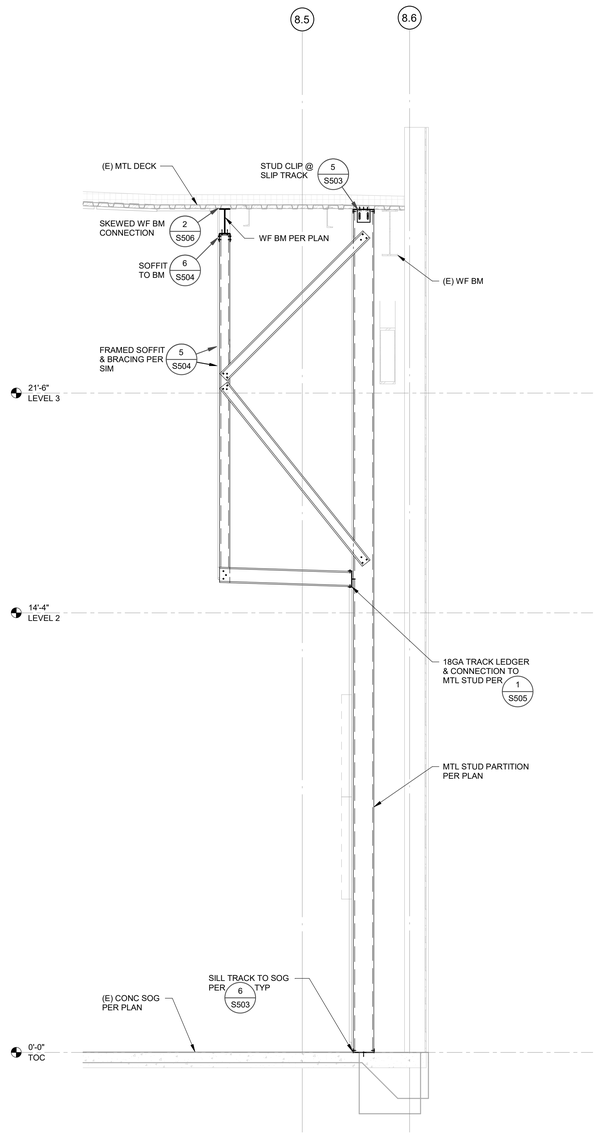


SECTION A S301 1/2" = 1'-0"



SECTION B S301 1/2" = 1'-0"



SECTION C S301 1/2" = 1'-0"

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Date: 09/29/2025 4:10:02 PM

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

SECTIONS

SHEET NO.:

S301

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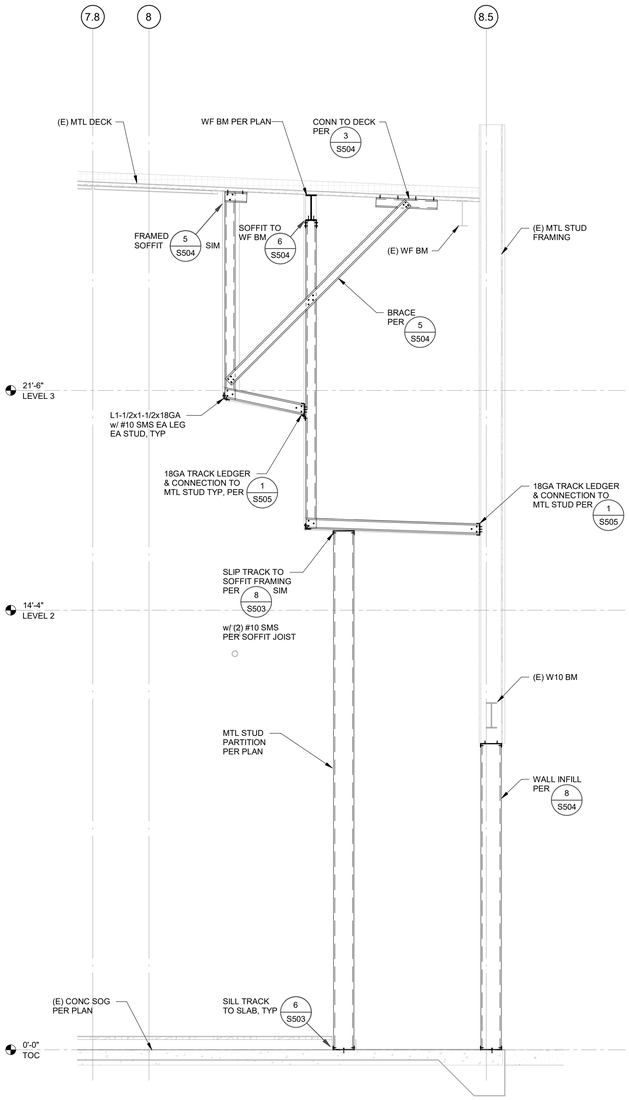
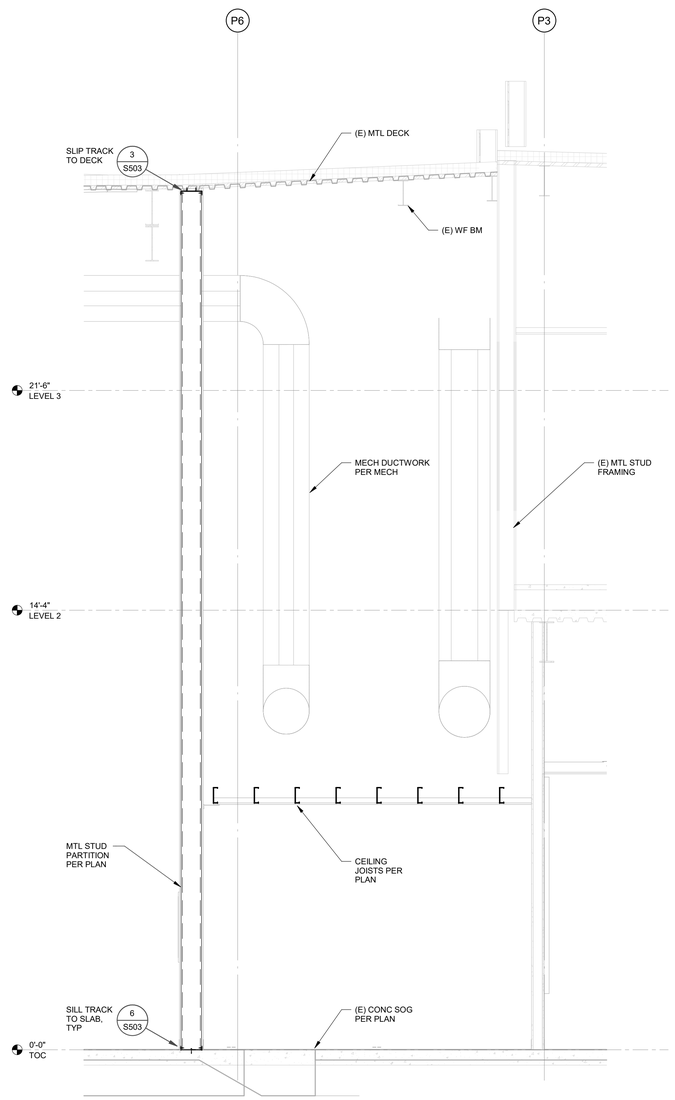
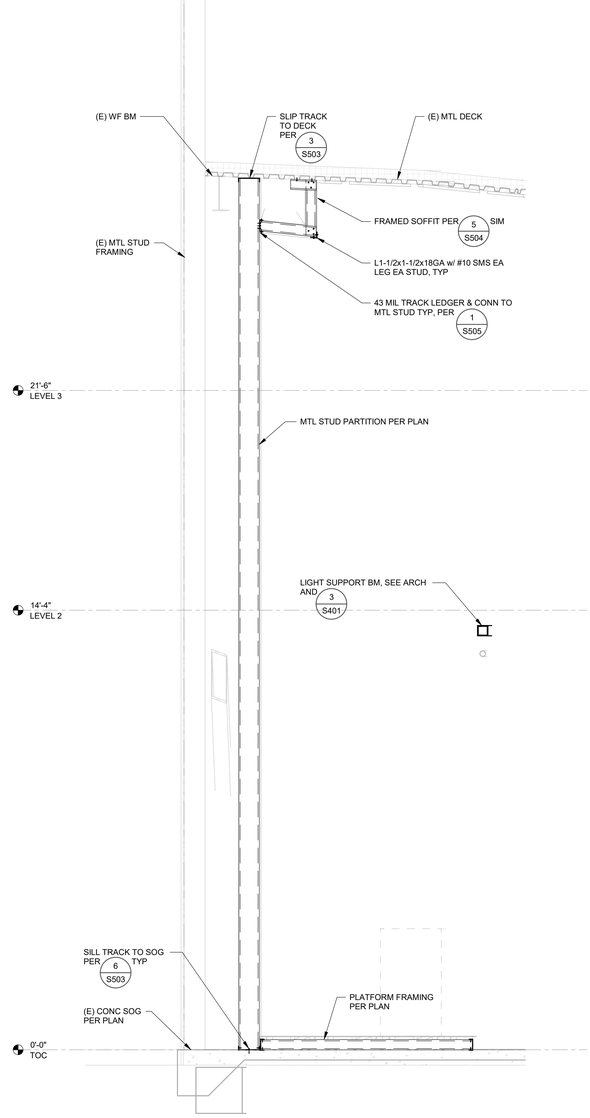


SECTION A S302 — 1/2" = 1'-0"



SECTION B S302 — 1/2" = 1'-0"



SECTION C S302 — 1/2" = 1'-0"

HOLT ARCHITECTURE
36951 COOK ST. STE 103
PALM DESERT, CA 92211
PH: 760.328.5280
2300 MARKET ST. STE 140
RIVERSIDE, CA 92501
PH: 951.462.1451
WWW.HOLTARCHITECTURE.COM

CONSULTANT:

BUEHLER
444 S FLOWER STREET, SUITE 750
LOS ANGELES, CA 90071
323 536 2363

STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
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CLIENT:

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MARK	DATE	DESCRIPTION
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	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

SECTIONS

SHEET NO.:

S302

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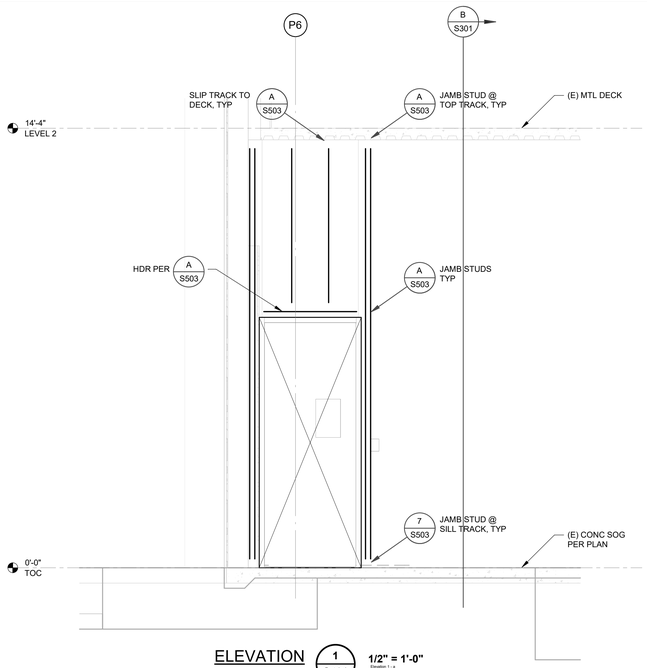
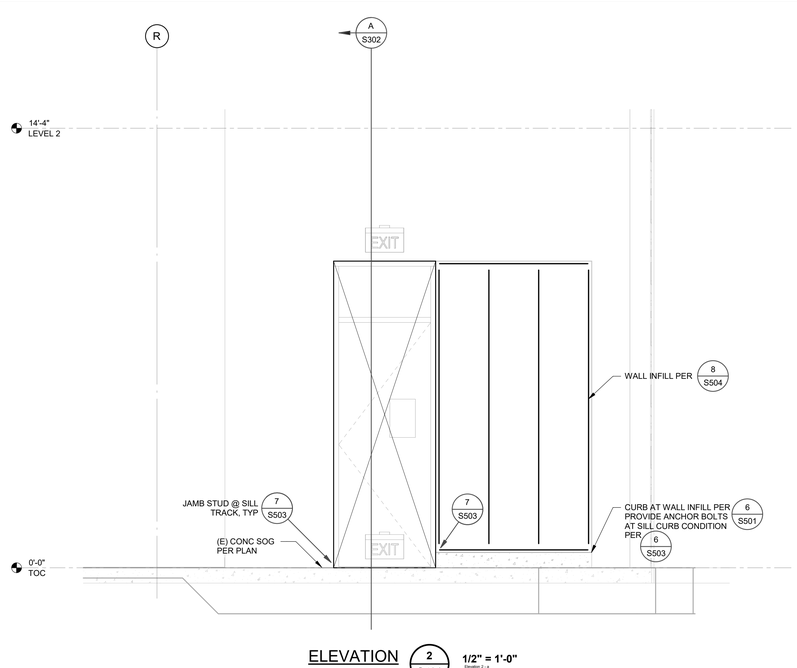
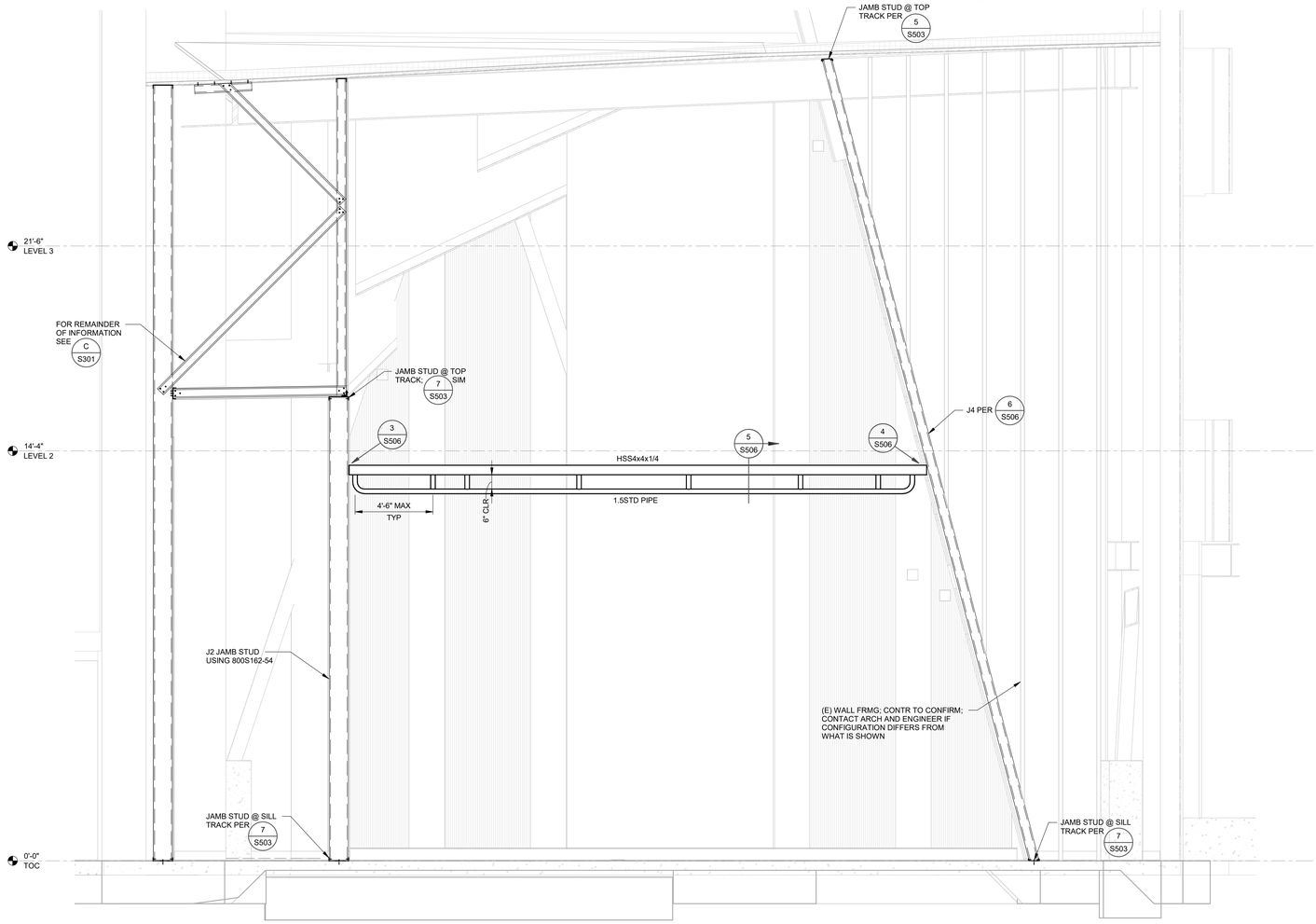


ELEVATION 1 S401 1/2" = 1'-0"



ELEVATION 2 S401 1/2" = 1'-0"



ELEVATION 3 S401 1/2" = 1'-0"

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CONSULTANT:

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LOS ANGELES, CA 90071
323 536 2363

STAMPS:

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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM
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CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC REVISIONS
	09/17/25	PC RD 2 SUBMITTAL

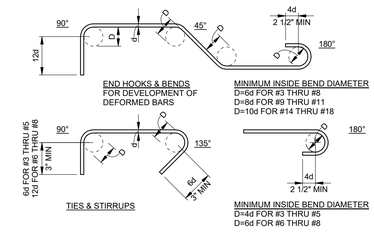
PROJECT NO.: ONT.010

SHEET TITLE:

ELEVATIONS

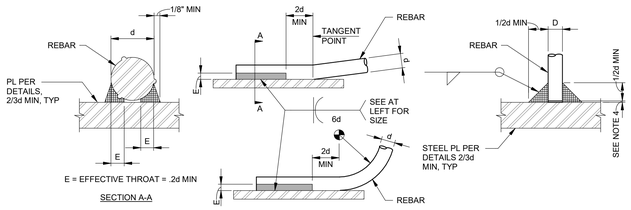
SHEET NO.:

S401



NOTE:
ALL HOOKS SHALL BE 90° OR 180° STANDARD HOOKS UNLESS OTHERWISE SHOWN OR NOTED.

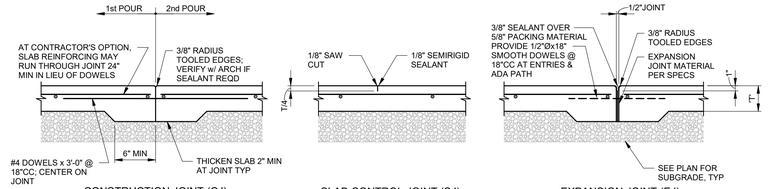
DETAIL 1/S501 NO SCALE
STANDARD REBAR HOOKS & BENDS



WELD PARALLEL TO BAR LENGTH BUTT WELDED BAR

NOTES:
1. REINFORCING TO BE WELDED, EXCEPT ASTM A706, SHALL CONFORM TO THE MATERIAL PROPERTY REQUIREMENTS OF ANSI/AWS D1.4, NEWEST EDITION.
2. ALL PREHEATING AND WELDING SHALL BE DONE IN ACCORDANCE WITH ANSI/AWS D1.4, NEWEST EDITION. ALL ELECTRODES FOR WELDING SHALL COMPLY WITH AWS CODE, E80 SERIES MINIMUM FOR ASTM A706 GR60 AND E90 SERIES MINIMUM FOR ASTM A615 GR60. FOR HIGHER GRADE REINFORCING, REFER TO AWS D1.4, NEWEST EDITION, FOR ELECTRODE REQUIREMENTS.
3. ALL WELDING SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED LABORATORY
4. GAPS BETWEEN REBAR AND PLATE SHALL NOTE EXCEED 1/4d OR 3/16", WHICHEVER IS LESS.

DETAIL 2/S501 NO SCALE
REBAR WELDING



CONSTRUCTION JOINT (CJ) SLAB CONTROL JOINT (SJ) EXPANSION JOINT (EJ)

NOTES:
1. CONSTRUCTION JOINTS AND CONTROL JOINTS SHALL DIVIDE SLAB INTO AREAS NOT EXCEEDING 225 SQ FT WITHOUT REENTRANT CORNERS AND WITH LENGTH TO WIDTH RATIOS NOT EXCEEDING 1 1/2 TO 1. JOINT SPACING SHALL NOT EXCEED 15 FEET IN EITHER DIRECTION.
2. CONTRACTOR SHALL SUBMIT LAYOUT PLAN SHOWING PROPOSED CONTROL AND CONSTRUCTION JOINT LOCATIONS TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW & APPROVAL.
3. SEMIRIGID SEALANT TO BE EUCLID EUCO #700 OR EQUAL.

DETAIL 3/S501 NO SCALE
SLAB ON GRADE JOINTS

DETAIL 4/S501 NO SCALE
SLAB ON GRADE TO (E) SLAB

TYPICAL SLAB EDGE

DETAIL 5/S501 1/2" = 1'-0"
SLAB EDGE AT PANEL OPENING

DETAIL 6/S501 1" = 1'-0"
CURB AT SOG

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CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
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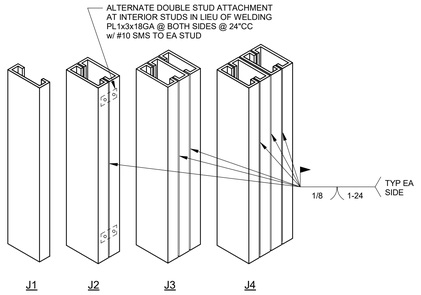
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

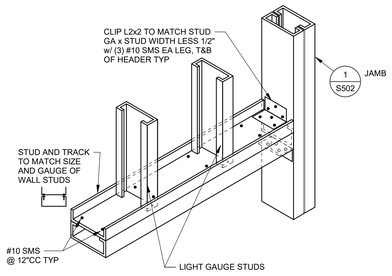
SHEET TITLE:
TYPICAL CONCRETE DETAILS

SHEET NO.:
S501

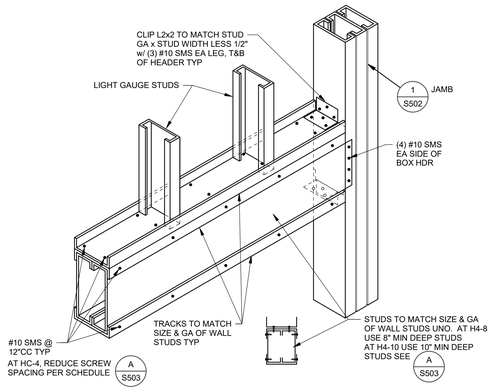


NOTE: JAMB STUDS TO MATCH SIZE AND GAUGE OF WALL STUDS.

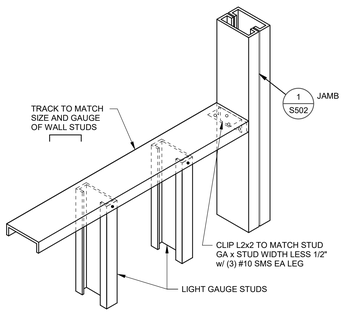
DETAIL **JAMB** 1 S502 NO SCALE



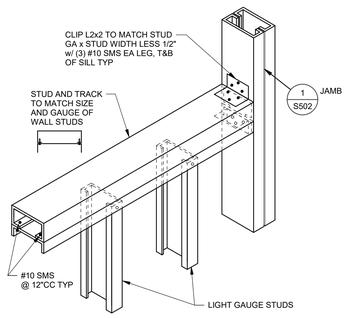
DETAIL **H2 HEADER** 2 S502 NO SCALE



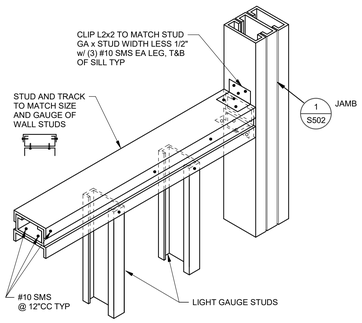
DETAIL **H4/HC-4 HEADER** 3 S502 NO SCALE



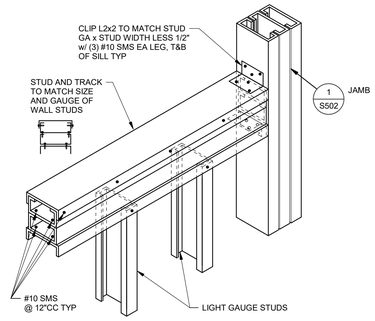
DETAIL **S1 SILL** 4 S502 NO SCALE



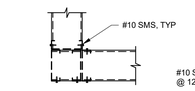
DETAIL **S2 SILL** 5 S502 NO SCALE



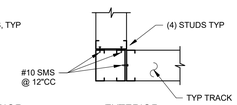
DETAIL **S3 SILL** 6 S502 NO SCALE



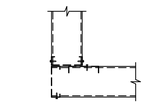
DETAIL **S4 SILL** 7 S502 NO SCALE



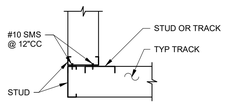
TOP TRACK LAYOUT - EXTERIOR



EXTERIOR

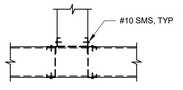


TOP TRACK LAYOUT - INTERIOR

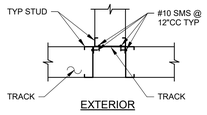


INTERIOR

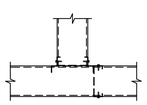
DETAIL **WALL CORNER** 8 S502 NO SCALE



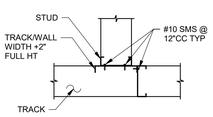
TOP TRACK LAYOUT - EXTERIOR



EXTERIOR

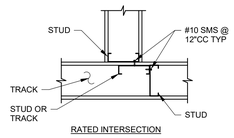


TOP TRACK LAYOUT - INTERIOR

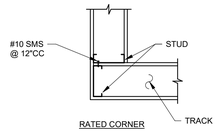


INTERIOR

DETAIL **TEE-INTERSECTION** 9 S502 NO SCALE



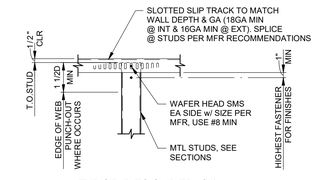
RATED INTERSECTION



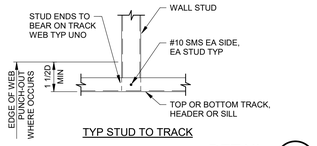
RATED CORNER

NOTE:
FOR WALL FINISH CONSTRUCTION SEE ARCH DRAWINGS

DETAIL **FIRE-RATED WALL CORNERS** 10 S502 NO SCALE



TYP STUD TO SLIP TRACK



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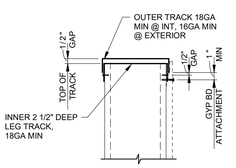
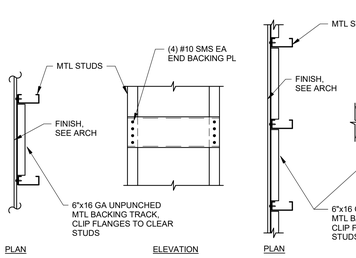


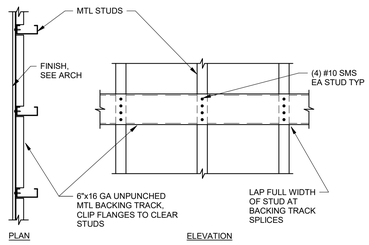
NESTED TRACK ALTERNATE

NOTES:
1. SEE OTHER DETAILS FOR ATTACHMENTS OF T&B TRACK TO STRUCTURE. SCREWS & SHOT PINS @ WEBS OF SLIP TRACKS SHALL BE LOCATED IN SLOTTED HOLES PROVIDED BY MFR.
2. FOR ADDL INFO @ FIRE RATED WALLS, SEE ARCH (FOR WALL TYPE, DETAILS ETC...) & MFR UL LISTING.
3. D = STUD DEPTH
4. OUTER TRACK TO BE 1.5" DEEP MIN, 2" DEEP MAX IN NESTED TRACK ALTERNATE.

DETAIL **STUD TO TRACK CONNECTION** 11 S502 NO SCALE



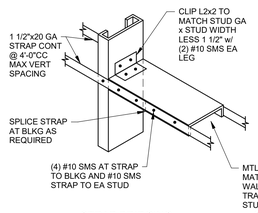
SINGLE BAY CONDITION



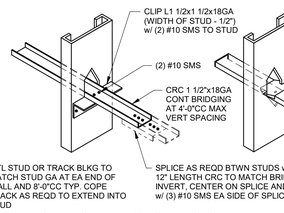
CONTINUOUS CONDITION

NOTE:
IN LIEU OF TRACK, THE FOLLOWING BACKING OPTIONS MAY BE USED. ATTACH TO STUDS AS NOTED ABOVE:
A. 6"x16GA FLAT STRAP FOR MAX LOADS OF 20 LBS/FT w/ A MAX CONCENTRATED LOAD OF 50 LBS. STRAP SHALL BE CONT OVER 3 STUDS MIN.
B. 6"x16GA (600NS050-54) NOTCHED STUD BACKING BY SCAFCO OR APPROVED EQUAL.

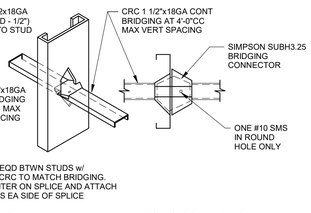
DETAIL **BACKING ATTACHMENT** 12 S502 NO SCALE



STRAP BRIDGING
FOR ANY SIZE STUD



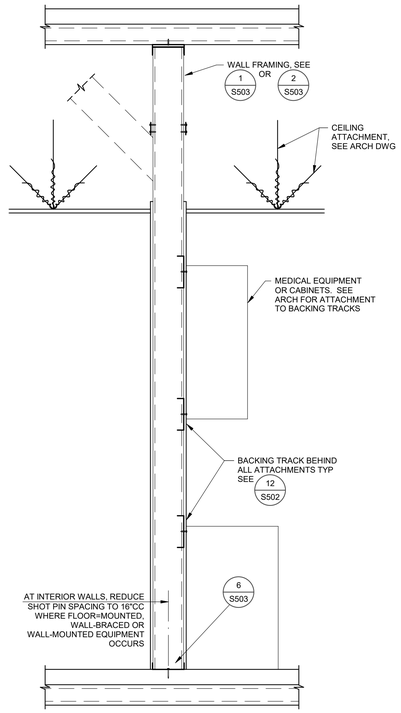
COLD ROLLED CHANNEL (CRC) BRIDGING
FOR 8" OR SMALLER STUDS



ALTERNATE BRIDGING CONNECTION
FOR 8" OR SMALLER STUDS

NOTES:
1. BRIDGING FOR 8" AND SMALLER STUDS MAY BE CONSTRUCTED OF COLD-ROLLED CHANNEL OR STRAPS AT CONTRACTOR'S OPTION UNLESS NOTED OTHERWISE.
2. WHERE FULL HEIGHT SHEATHING OR GYP BOARD OCCURS ON BOTH SIDES OF METAL STUD FRAMING, THE BRIDGING MAY BE OMITTED.
3. AT COND WHERE STRAP BRIDGING IS USED & WHERE WALL SHEATHING OR GYP BOARD OCCURS ON ONE SIDE OF WALL ONLY, STRAP MAY BE OMITTED ON SIDE OF WALL WHERE SHEATHING OR GYP OCCURS.

DETAIL **STUD BRIDGING** 13 S502 NO SCALE



DETAIL **EQUIPMENT/CABINETRY BACKING** 14 S502 NO SCALE

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Date: 09/29/2025 4:33:03 PM

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
METAL STUD
COMMON DETAILS

SHEET NO.:
S502

A S503 INTERIOR WALL OPENING FRAMING SCHEDULE

DEFLECTION LIMIT = L/120

"W"[11] MAX WIDTH	JAMBS	HEADER	SILL	HC4-8 SCREW SPCG	
				3 5/8" & 4" WALLS	6" & 8" WALLS
4'-0"	J1[1,2]	H2	S1		
8'-0"	J2	H4	S2		
12'-0"	J3	HC4-8[3,8]	S3	8"CC	4"CC
16'-0"	J4	HC4-8[1,5,6,8]	S4	8"CC	4"CC

NOTES:
1. USE J2 MINIMUM AT DOOR OPENINGS.
2. USE J2 AT 4'-0" MAX OPNGS IN 20GA WALLS (ALL STUD DEPTHS), 8"x18GA WALLS AND 4"x14GA WALLS.
3. USE 18GA MIN HEADERS AT 12'-0" MAX OPNGS IN 8" WALLS.
4. USE 16GA MIN HEADERS AT 16'-0" MAX OPNGS IN 3 5/8" & 4" WALLS.
5. USE 14GA MIN HEADERS AT 16'-0" MAX OPNGS IN 6" & 8" WALLS UNO.
6. USE HC4-10 HEADERS AT 16'-0" MAX OPNGS IN 8"x14GA WALLS.
7. FOR JAMB, HEADER, AND SILL DETAILS, SEE SHEET **S502**.
8. "H4-8" INDICATES HEADER TYPE AND DEPTH OF VERTICAL STUD ELEMENTS INSIDE HEADER. "HC4-8" INDICATES COMPOSITE HEADER w/ ADDL SCREW REQUIREMENTS, SEE SCHEDULE & **3/S502**
9. FOR CONNECTION @ BASE OF WALL AT JAMBS SEE **7/S503**
10. FOR CONNECTION @ TOP OF WALL AT JAMBS SEE **5/S503**
11. "W" WIDTH IS THE MAX WIDTH OF A SINGLE OPENING OR THE COMBINED WIDTH OF SIDE BY SIDE OPENINGS THAT SHARE A SINGLE JAMB STUD CONFIGURATION.
12. FOR HEADERS & SILLS, OPENINGS UP TO 1 1/4" MAX ARE ACCEPTABLE FOR CONDUIT. LOCATE OPENING AWAY FROM CLIPS & FLANGES. (2) HOLES MAX PER HEADER SPACED AT 8" MIN.

B S503 INTERIOR METAL STUD PARTITIONS

MAXIMUM HEIGHT FOR METAL STUDS WITH S_{DS} = 1.5, I_P = 1.0
DEFLECTION LIMIT L/120, NON-BEARING WITH CABINET OR EQUIPMENT

16"CC SPACING

DEPTH	GAUGE	DESIGNATION[3]	MAX HEIGHT
3 5/8"	20	362S162-33	12'-5"
3 5/8"	18	362S162-43	16'-2"
3 5/8"	16	362S162-54	20'-3"
3 5/8"	14	362S162-68	22'-0"
4"	20	400S162-33	13'-10"
4"	18	400S162-43	18'-0"
4"	16	400S162-54	22'-0"
4"	14	400S162-68	24'-0"
6"	20	600S162-33	20'-8"
6"	18	600S162-43	25'-0"
6"	16	600S162-54	31'-9"
6"	14	600S162-68	35'-0"
8"	20	800S162-33	22'-3"
8"	18	800S162-43	30'-6"
8"	16	800S162-54	40'-0"
8"	14	800S162-68	44'-9"

NOTES:
1. STUDS SHALL BE DEPTH AS INDICATED ON ARCH DRAWINGS AND THICKNESS AS DETERMINED BY THIS SCHEDULE.
2. FOR TYPICAL WALL FRAMING CONDITIONS, SEE **1/S503** & **2/S503**. DESIGNATION CONFORMS TO STEEL STUD MANUFACTURER'S ASSOCIATION STANDARDS.
3. THE MAX HEIGHTS NOTED IN THIS SCHEDULE ARE BASED ON THE USE OF SEISMIC COMPONENT LOAD F_P OR A LIVE LOAD OF 5PSF, WHICHEVER GOVERNS.

C S503 INTERIOR TRACK ATTACHMENT AT JAMB STUDS

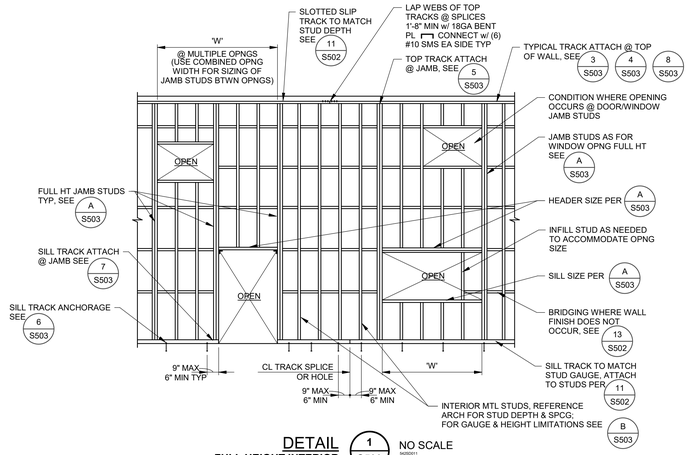
JAMB TYPE	TRACK ATTACHMENT METHOD		
	SHOT PINS	SMS	1/2"Ø BOLTS
J1	1	1	1
J2	2	2	1
J3	3	3	1
J4	4	4	2

NOTES:
1. SCHEDULE INDICATES TRACK ATTACHMENTS REQUIRED WHERE JAMB STUDS OCCUR. SEE TYPICAL SILL AND TOP TRACK ATTACHMENT DETAILS FOR BASIC ATTACHMENT METHODS (I.E. SHOT PINS, SMS, BOLTS, ETC.) & CONDITIONS BEYOND JAMB STUDS.
2. LOCATE ALL REQUIRED ATTACHMENTS AS CLOSE TO JAMB STUDS AS POSSIBLE. MAINTAIN ALL FASTENER SPACING AND EDGE DISTANCE REQUIREMENTS. AT SHOT PINS, SEE TYPICAL NOTES. AT SMS, MAINTAIN 1.5 x DIAMETER MIN EDGE DISTANCE & SPACING. AT BOLTS, SPACE NO CLOSER THAN 12 DIAMETERS AND NO MORE THAN 9" FROM END OF TRACK.
3. BOLTS AT SILL SHOULD HAVE 4" EFFECTIVE EMBED DEPTH (MIN).
4. IN LIEU OF BOLTS, 1/2"Ø HILTI KB-TZ2 ANCHORS (ESR-4266) MAY BE USED IN THE FOLLOWING APPLICATIONS:

LOCATION	EFFECTIVE EMBEDMENT	MIN CONC THICKNESS	MIN EDGE DISTANCE
SILL TRACK ON GRADE	2" *	4" *	2 1/4"
SILL TRACK ON CONC o/ MTL DECK	2"	3 1/4"	2 1/2" **
TOP TRACK IN LOW FLUTE OF CONC o/ MTL DECK	2 1/2"	5"	SEE DETAILS

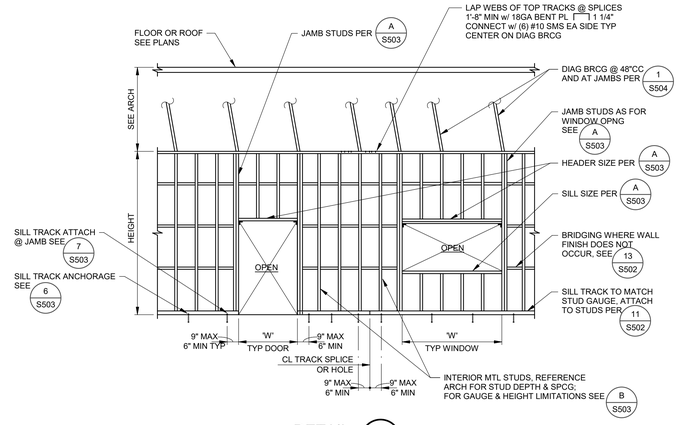
* EFFECTIVE EMBEDMENT BECOMES 2 1/2" MIN FOR 5" THICK SLABS AND 3 1/4" MIN FOR SLABS ≥ 6" THICK.

** VALUE IS BASED ON CONCRETE THICKNESS AT EDGE ≥ 5". IF LESS THAN 5" OF THICKNESS IS PROVIDED EDGE DISTANCE BECOMES 7 1/2" MIN.



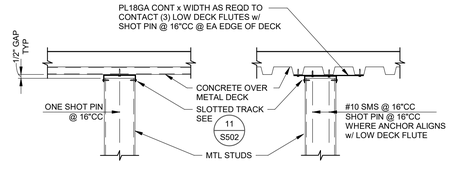
DETAIL 1/S503 — FULL HEIGHT INTERIOR METAL STUD WALL

NO SCALE



DETAIL 2/S503 — PARTIAL HEIGHT INT METAL STUD WALL

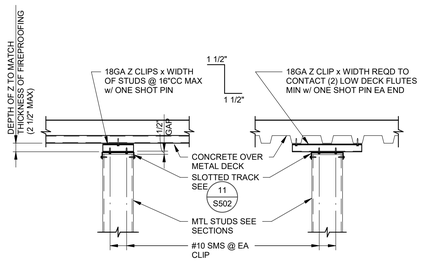
NO SCALE



NOTES:
1. WHERE WALL IS PARALLEL TO DECK, & WALL CL IS WITHIN 1 1/2" OF CL OF LOW DECK FLUTE, TOP TRACK MAY BE ATTACHED DIRECTLY TO DECK AS IN PERPENDICULAR COND & CONT PL MAY BE OMITTED.
2. SEE SHOT PIN NOTES FOR SPACING, EDGE DISTANCE & PLACEMENT REQUIREMENTS.
3. WHERE BARE METAL DECK OCCURS, ATTACH TRACK OR PL18GA TO DECK w/ (2) #10 SMS @ 16" CC (2 SMS @ PL)
4. FOR COND @ JAMB STUDS SEE **5/S503** .

DETAIL 3/S503 — SLIP TRACK TO DECK w/ FILL w/o FIREPROOFING

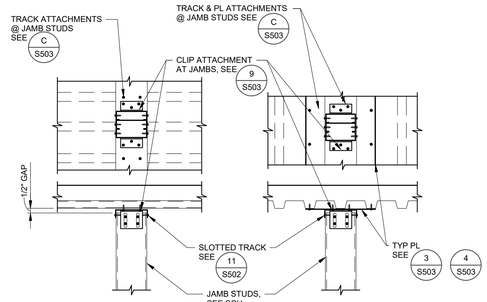
NO SCALE



NOTES:
1. AT BARE METAL DECK, USE (2) #10 SMS @ EA CLIP.
2. PROVIDE Z CLIPS AS REQD FOR FASTENERS @ JAMB STUDS, SEE **C/S503**

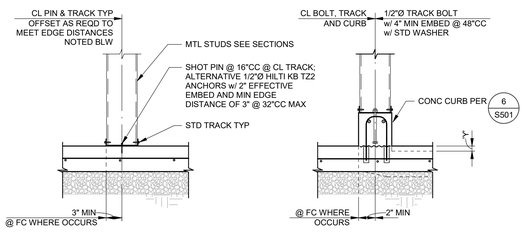
DETAIL 4/S503 — SLIP TRACK TO DECK w/ FILL w/ FIREPROOFING

NO SCALE



DETAIL 5/S503 — JAMB STUD AT TOP TRACK

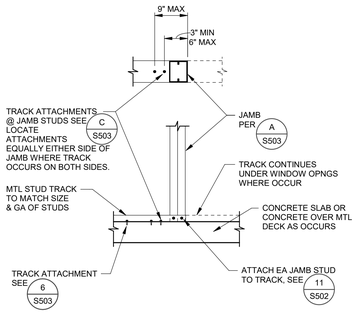
NO SCALE



NOTE:
WHERE SLAB DEPRESSION OCCURS, VERIFY DEPTH 'Y' LOCATION & EXTENT w/ ARCH. WHERE 'Y' EXCEEDS 2" USE PROVISIONS OF CURB COND.

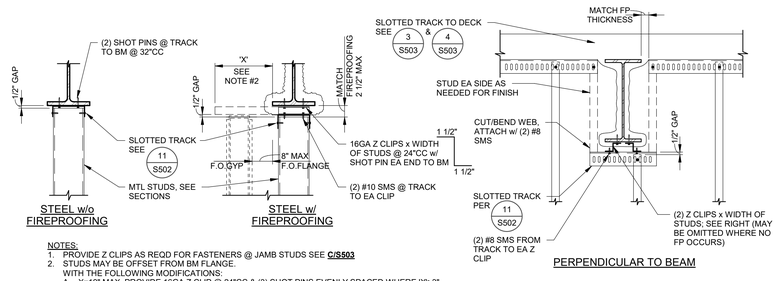
DETAIL 6/S503 — SILL TRACK TO SLAB (NON-JAMB CONDITION)

NO SCALE



DETAIL 7/S503 — JAMB STUD AT SILL TRACK

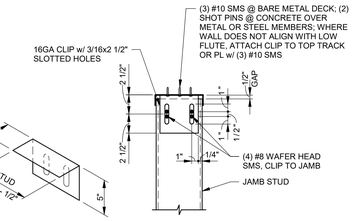
NO SCALE



NOTES:
1. PROVIDE Z CLIPS AS REQD FOR FASTENERS @ JAMB STUDS SEE **C/S503**
2. STUDS MAY BE OFFSET FROM BM FLANGE. WITH THE FOLLOWING MODIFICATIONS:
   A. X=18" MAX, PROVIDE 16GA Z CLIP @ 24"CC & (3) SHOT PINS EVENLY SPACED WHERE 'X'>3".
3. NOTIFY THE SEOR PRIOR TO ATTACHING TO MOMENT FRAME BEAMS OUTSIDE OF THE PROTECTED ZONE. NO ATTACHMENTS SHALL BE MADE WITHIN PROTECTED ZONES OF MOMENT FRAME BEAMS.

DETAIL 8/S503 — SLIP TRACK TO WF BEAM

NO SCALE



NOTES:
1. PROVIDE CLIP AT ALL EXTERIOR WALL JAMB STUDS AT SLOTTED TRACKS. PROVIDE CLIP AT ALL INTERIOR WALL DEFLECTION TRACKS WHERE OPENING WIDTH IS GREATER THAN 8'-0" WIDE.
2. CLIP TO OCCUR ONE SIDE OF J2 JAMBS, BOTH SIDES OF J3 & J4 JAMBS.

DETAIL 9/S503 — JAMB STUD CLIP AT SLIP TRACK

NO SCALE

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STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & RELEASED
FOR CODE COMPLIANCE
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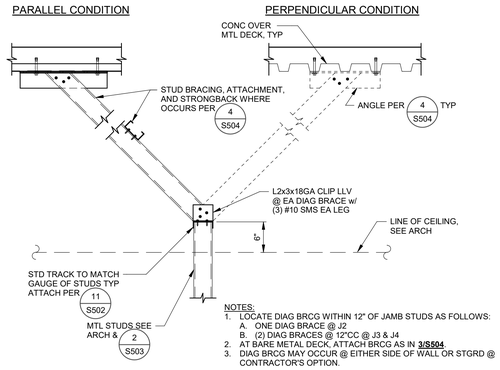
CLIENT:
ONTARIO POLICE DEPARTMENT
CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

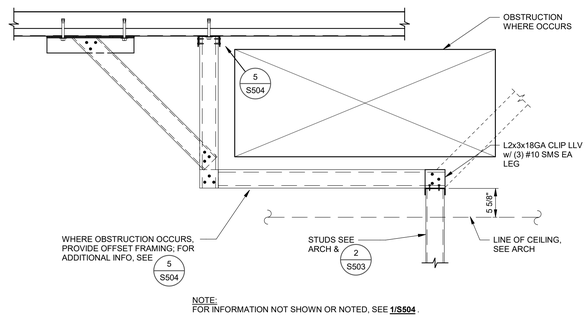
PROJECT NO.: ONT.010

SHEET TITLE:
METAL STUD INTERIOR DETAILS

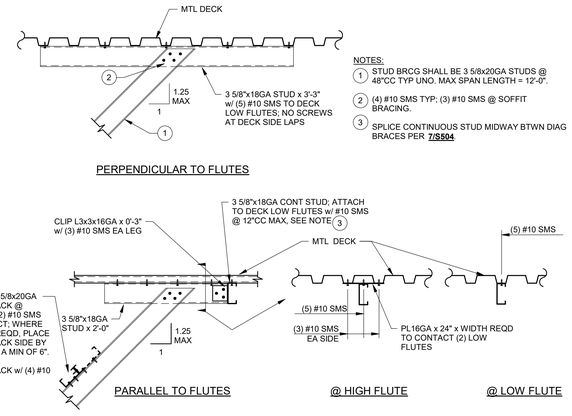
SHEET NO.:
S503



DETAIL 1 S504 — NO SCALE
BRACING AT PART HT PARTITION WALL



DETAIL 2 S504 — NO SCALE
OBSTRUCTION AT PART HT PARTITION WALL



DETAIL 3 S504 — NO SCALE
BRACING AT BARE METAL DECK

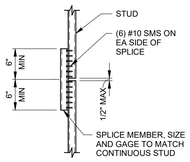
NOTES:
1. 4"x14GA TRACK MAY BE USED IN LIEU OF L3x3x14GA.
2. STUD BRCG SHALL BE 3 5/8x20GA STUDS @ 48"CC TYP UNO. MAX SPAN LENGTH = 12'-0".
3. (4) #10 SMS TYP; (3) #10 SMS @ SOFFIT BRACING

DETAIL 4 S504 — NO SCALE
BRACING AT METAL DECK w/ FILL

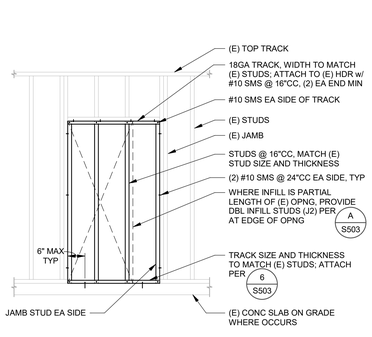
NOTES:
1. 3 5/8"x20GA STUD @ 48" CC W/ (3) #10 SMS EA END. FOR CONN TO DECK AND ADD'L INFO SEE 3/S504. BRACING NEED ONLY BE INSTALLED ON ONE LINE OF HANGER STUDS WHERE SOFFIT IS LESS THAN 10'-0" WIDE.
2. 3 5/8"x18 GA LONG BRACE @ 10'CC w/ (2) #10 SMS EA STUD WHERE SHEATHING IS NOT INSTALLED ON AT LEAST ONE SIDE OF HANGERS OR WHERE JOISTS OCCUR BOTH SIDES. BRACE SHALL BE SLOPED AT 45 DEGREES (±15°).
3. 3 5/8"x18 GA CONTINUOUS STRONGBACK. AT HANGER/JOIST INTERSECTIONS, ATTACH STRONGBACK TO HANGER & JOIST w/ (2) #10 SMS EA.
4. 3 5/8"x18 GA HANGER STUDS SPACED @ 16" CC TYP. PROVIDE BRIDGING AS IN 13/S502.
5. FRAME OPENINGS IN VERTICAL FACE OF SOFFITS AS IN A/S503 MAXIMUM OPENING WIDTH = 4'-0".

DETAIL 5 S504 — NO SCALE
FRAMED SOFFIT AT BARE METAL DECK

DETAIL 6 S504 — NO SCALE
SOFFIT TO WF BEAM

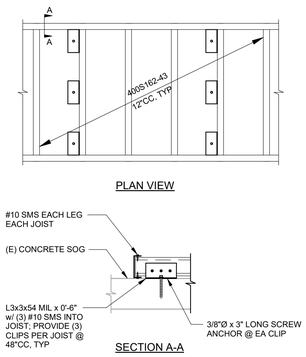


DETAIL 7 S504 — NO SCALE
STRONGBACK SPLICE



NOTE:
STUD FRAMING TO MATCH DEPTH OF (E) STUDS w/ MIN THICKNESS PER INTERIOR METAL STUD PARTITION SCHEDULE

DETAIL 8 S504 — 3/8" = 1'-0"
WALL INFILL



DETAIL 9 S504 — 3/4" = 1'-0"
METAL STUD FRAMED PLATFORM

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CLIENT:
ONTARIO POLICE DEPARTMENT

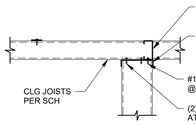
CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

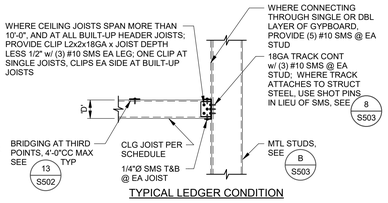
PROJECT NO.: ONT.010

SHEET TITLE:
METAL STUD INTERIOR DETAILS

SHEET NO.:
S504



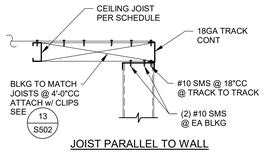
JOIST PERPENDICULAR TO WALL



TYPICAL LEDGER CONDITION

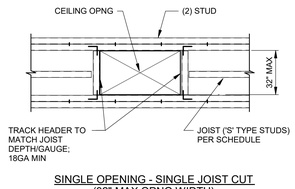
CEILING JOIST SCHEDULE		
NON-ACCESSIBLE SPAN	ACCESSIBLE SPAN	CEILING JOIST
10'-0" MAX	5'-0" MAX	2 1/2" x 18GA @ 16"CC
14'-0" MAX	8'-0" MAX	3 5/8" x 18GA @ 16"CC
19'-0" MAX	10'-0" MAX	6" x 20GA @ 16"CC
20'-0" MAX	12'-0" MAX	6" x 18GA @ 16"CC
22'-0" MAX	16'-0" MAX	6" x 16GA @ 16"CC

NOTES:
1. ALL STUDS & JOISTS ARE 'S' TYPE.
2. IN LIEU OF STRAP BRIDGING, 3-5/8"x20GA CONTINUOUS TRACK MAY BE USED. LOCATION AND SPACING AS NOTED ABOVE. ATTACH AT EA JOIST w/ ONE #10 SMS.

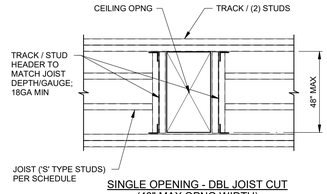


JOIST PARALLEL TO WALL

DETAIL 1 S505 — CEILING CONNECTIONS — NO SCALE

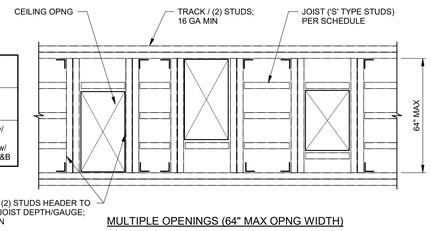


SINGLE OPENING - SINGLE JOIST CUT (32" MAX OPNG WIDTH)



SINGLE OPENING - DBL JOIST CUT (48" MAX OPNG WIDTH)

(2) STUDS		CONNECT w/ (2) #8 SMS @ 12"CC
TRACK/STUD		CONNECT w/ (2) #8 SMS @ 12"CC
TRACK/ (2) STUDS		CONNECT STUDS w/ (2) #8 SMS @ 12"CC & TRACK TO STUD w/ #10 SMS @ 12"CC T&B



MULTIPLE OPENINGS (64" MAX OPNG WIDTH)

NOTES:
1. REFER TO ARCH AND MECH REFLECTED CEILING PLANS FOR OPENING LAYOUT AND ADDL INFORMATION
2. FOR FRAMING CONNECTION REQUIREMENTS AND ADDL INFORMATION, SEE **1/S505**.
3. WHERE CLIP IS REQUIRED TO BE LONGER THAN 2" AND/OR NEEDS TO BE COPED TO AVOID FLANGES, SIMPSON SSC CLIPS MAY BE USED IN LIEU OF CLIPS PER **1/S505**.
4. PROVIDE BRIDGING AT CEILING JOISTS AT THIRD POINTS, 4'-0" MAX

DETAIL 2 S505 — FRAMED CEILING OPENING — NO SCALE

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	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

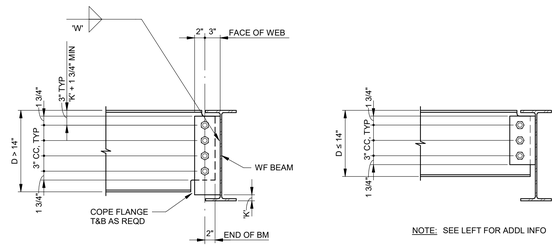
SHEET TITLE:
METAL STUD INTERIOR DETAILS

SHEET NO.:
S505

A S506 WF BEAM CONNECTION SCHEDULE

BEAM SIZE	NO & DIA A325-N BOLTS UNO	SHEAR PL THICKNESS [1] 'T'	'W'
C8 & C10	(2) 7/8"Ø	1/4	3/16
W8 & W10	(2) 7/8"Ø	1/4	3/16
W12 & W14	(3) 7/8"Ø	1/4	3/16
W16	(4) 7/8"Ø	3/8	1/4
W18	(5) 7/8"Ø	3/8	1/4
W21	(5) 7/8"Ø	3/8	1/4
W24	(6) 7/8"Ø	3/8	1/4
W27	(7) 7/8"Ø	3/8	1/4
W30	(8) 1"Ø A490-N	1/2	5/16
W33	(9) 1"Ø A490-N	1/2	5/16
W36	(10) 1"Ø A490-N	1/2	5/16

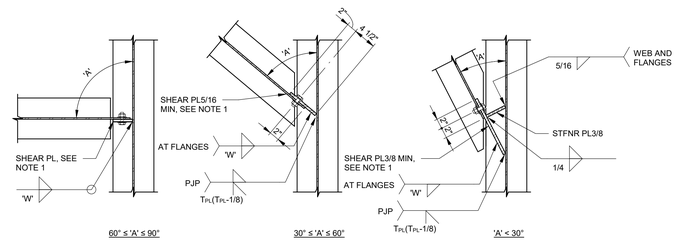
NOTES:
1. THIS SCHEDULE APPLIES TO NON-FRAME CONNECTIONS, TYPICAL.
2. SHEAR PL MAY BE ASTM A36 OR ASTM A572 GR50.



NOTE: SEE LEFT FOR ADDL INFO

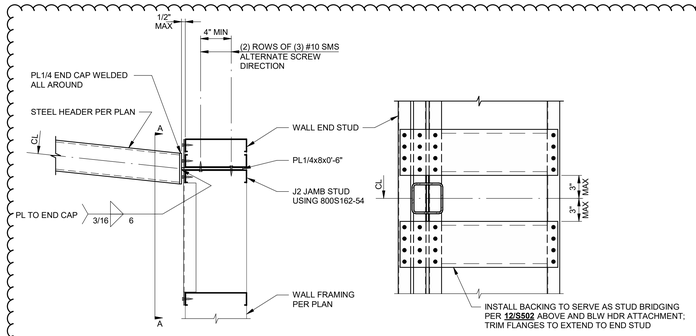
NOTES:
1. CONTRACTOR MAY USE HORIZONTAL SHORT SLOTTED HOLES FOR THESE CONNECTIONS ONLY. THE SHORT SLOTTED HOLES SHALL BE IN THE SHEAR PL WITH HARDENED WASHERS PROVIDED OVER THE SLOTS. TYPE 'N' BEARING CONNECTIONS SHALL BE USED.
2. FOR SHEAR PLATE THICKNESS, BOLTS, & WELDING INFORMATION NOT NOTED, SEE **A/S506**

DETAIL **WF BEAM TO BEAM ONE SIDE** — 1 S506 — NO SCALE



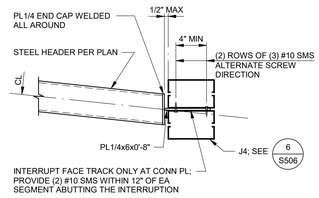
NOTES:
1. FOR SHEAR PL, FILLET WELDS, AND BOLTS, SEE **1/S506**, UNO ON THE ABOVE DETAILS.
2. FOR DIMENSIONS AND SPACING NOT SHOWN, SEE **2/S506**.
3. FILLET WELDING AT BM WEBS SHALL CONFORM TO AWS D1.1 3.9.2. INCREASE WELD SIZE AS REQUIRED BY ROOT OPENING AND SHEAR PLATE END PREP TO MAINTAIN EFFECTIVE THROAT.

DETAIL **SKEWED WF BEAM TO BEAM** — 2 S506 — NO SCALE

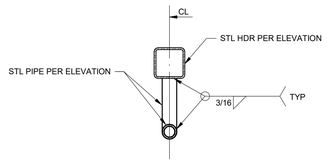


PLAN VIEW — SECTION VIEW A-A

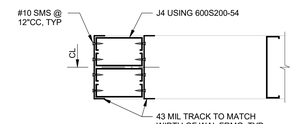
DETAIL **SECTION @ LIGHT BEAM CONNECTION** — 3 S506 — 1 1/2" = 1'-0"



DETAIL **SECTION @ LIGHT BEAM CONNECTION** — 4 S506 — 1 1/2" = 1'-0"



DETAIL **SECTION @ LIGHT BEAM** — 5 S506 — 1 1/2" = 1'-0"



DETAIL **SECTION @ WALL END** — 6 S506 — 1 1/2" = 1'-0"

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STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:10:03 PM

CLIENT:
ONTARIO POLICE DEPARTMENT
CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC REVISIONS
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
STRUCTURAL STEEL INTERIOR DETAILS

SHEET NO.:
S506

MECHANICAL BASIS OF DESIGN

A. OUTDOOR DESIGN CONDITIONS:

1. SUMMER: 105°F DB/69°F WB
2. WINTER: 32°F

B. DESIGN CONDITIONS:

OCCUPANT SPACE	OCG DENSITY	LIGHTING DENSITY	COOLING TEMPERATURE	HEATING TEMPERATURE	RELATIVE HUMIDITY
OFFICE	100 SF/OCC	0.7 W/SF	74°F+/-2°F	70°F+/-2°F	50%
MEDIA	15 SF/OCC	0.85 W/SF	74°F+/-2°F	70°F+/-2°F	50%

C. HVAC CONTROL METHOD:

1. EXISTING ENERGY MANAGEMENT SYSTEM (EMS) CONTROL OF ALL EQUIPMENT.

D. CALIFORNIA VENTILATION CRITERIA:

1. COMPLY WITH CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARD.

E. BUILDING ENVELOPE:

1. REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ENVELOPE REQUIREMENTS

F. DUCTWORK DESIGN CRITERIA (MAXIMUM ALLOWABLE AIR PRESSURE DROPS AND AIR VELOCITIES) TO MEET HIGH EFFICIENCY OPERATION WITH MINIMAL ACOUSTICAL NOISE. DUCT STATIC PRESSURE FRICTION LOSS SHALL NOT EXCEED 0.2" PER 100 FEET IN MECHANICAL ROOMS AND SHAFTS. LOW PRESSURE SUPPLY AND EXHAUST DUCT STATIC PRESSURE FRICTION LOSS BASED ON A MAXIMUM OF 0.08" PER 100 FEET. LOW PRESSURE RETURN DUCT STATIC PRESSURE FRICTION LOSS BASED ON A MAXIMUM OF 0.05" PER 100 FEET. MEDIUM PRESSURE DUCTWORK SHALL NOT EXCEED MAXIMUM VELOCITY AS LISTED BELOW.

1. IN ADDITION, MAXIMUM SUPPLY, RETURN AND EXHAUST DUCT AIR FLOW VELOCITIES, REGARDLESS OF PRESSURE DROP, SHALL NOT EXCEED THE FOLLOWING CRITERIA:
   A. MAINS ABOVE CEILING: 1750 FPM
   B. MAINS ABOVE OPEN OCCUPIED SPACES: 1450 FPM
   C. BRANCHES ABOVE CEILING: 1400 FPM
   D. BRANCHES ABOVE OPEN OCCUPIED SPACES: 1150 FPM
   E. RUN-OUTS TO DIFFUSERS: 725 FPM

G. ACOUSTICAL

1. THE FOLLOWING NOISE NC/RC CRITERIA LEVELS WILL BE DESIGNED AS DEFINED IN THE ASHRAE HVAC APPLICATIONS HANDBOOK. THESE LEVELS ADDRESS THE MECHANICAL SYSTEMS ONLY. ACTUAL SOUND PERFORMANCE REQUIREMENTS FOR EACH SPACE MUST BE VERIFIED WITH ACOUSTICAL CONSULTANT.
   A. CORRIDORS AND LOBBIES: 40
   B. OFFICES: 30
   C. RECORDING STUDIOS: 25

H. SEISMIC:

1. SEE ANCHORAGE AND BRACING NOTE ON THIS SHEET.

APPLICABLE NOTES

1. 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (IBC WITH AMENDMENTS)
3. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (NEC WITH AMENDMENTS)
4. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (UMC WITH AMENDMENTS)
5. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (UPC WITH AMENDMENTS)
6. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (IFC WITH AMENDMENTS)
7. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
8. 2019 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
9. 2022 CALIFORNIA ENERGY CODE (PART 6, TITLE 24 C.C.R.)
10. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSG), PART 11, TITLE 24 C.C.R.

MECHANICAL GENERAL NOTES

1. THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND REQUIREMENTS OF THE LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION INCLUDING 2022 CBC (CALIFORNIA BUILDING CODE), 2022 CMC/CPC (CALIFORNIA MECHANICAL AND PLUMBING CODE), 2022 CAL GREEN REQUIREMENTS AND THE 2022 TITLE 24 ENERGY CODE.
2. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO WORK.
3. INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK CAREFULLY CHECK AND VERIFY DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK OF OTHER TRADES. DUCT DIMENSIONS SHOWN ON PLANS ARE NET INSIDE CLEAR.
4. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE NET INSIDE DIMENSIONS. DO NOT FABRICATE DUCTWORK FROM THESE DRAWINGS. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING SHOP DRAWINGS WHICH REFLECT THE PROPOSED INSTALLATION. THE SHOP DRAWINGS MUST BE APPROVED BY THE ENGINEER PRIOR TO ANY SHEET METAL FABRICATION. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ACCURATE AS-BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT AND SUBMITTING THEM TO THE ENGINEER AND OWNER.
5. IN THE PREPARATION OF THESE DOCUMENTS, CERTAIN ASSUMPTIONS ARE MADE REGARDING EXISTING CONDITIONS. SOME OF THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT EXPENDING ADDITIONAL SUMS OF MONEY OR DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF EXISTING BUILDINGS AND/OR EQUIPMENT. THEREFORE, THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR ANY CHANGES OR ADDITIONAL COSTS INCURRED DUE TO EXISTING CONDITIONS.
6. CONTRACTOR SHALL COMPLY WITH CONTRACT DOCUMENTS IN LAYING OUT THEIR WORK AND EQUIPMENT. THEY SHALL COORDINATE THE WORK OF THIS SECTION WITH THE WORK OF OTHER TRADES AND JOB CONDITIONS.
7. THE INSTALLATION OF ACCESS PANELS OR OTHER INDICATING EQUIPMENT OR SPECIALTIES REQUIRING READING, ADJUSTMENT, INSPECTION, REPAIRS, REMOVAL OR REPLACEMENT SHALL BE CONVENIENTLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING.
8. WHERE MATERIAL IS SHOWN ON THE DRAWINGS BUT NOT SPECIFIED, IT SHALL BE OF THE SAME TYPE AND QUALITY AS EXISTING MATERIAL.
9. PROVIDE MANUAL VOLUME DAMPERS AT UPSTREAM PORTION OF TERMINAL AIR BRANCHES. THESE SHALL BE OF THE LOCKING QUADRANT TYPE. WHERE LOCATED OVER SLOPED OR HARD CEILINGS, PROVIDE DURO-DYNE ANGLE GEAR DRIVE OR BOWDEN CABLE CONTROL SYSTEM OR PROVIDE UNITED ENERTECH POWER/BALANCE SYSTEM. REMOTE PLATE LOCATIONS TO BE LOCATED AS DETERMINED BY ARCHITECT.
10. DUCTS IN AN UNCONDITIONED SPACE OR EXTERIOR DUCT WORK SHALL HAVE A MIN. OF R-8 INSULATION. DUCTS WITHIN THE CONDITIONED ENVELOPE ABOVE A CEILING SHALL HAVE A MIN. OF R-4.2 INSULATION. EXTERIOR DUCTWORK SHALL NOT HAVE INSULATION EXPOSED TO THE ENVIRONMENT.
11. WHERE NOT SPECIFICALLY INDICATED OTHERWISE, DUCTWORK AND EQUIPMENT SHALL BE SUPPORTED PER THE SMACNA GUIDELINES FOR SEISMIC RESTRAINT AND CURRENT APPLICABLE UNIFORM MECHANICAL CODE.
12. TESTING, ADJUSTING, AND BALANCING (TAB) OF THE AIR CONDITIONING SYSTEMS AND RELATED ANCILLARY EQUIPMENT WILL BE PERFORMED BY A CERTIFIED, INDEPENDENT THIRD PARTY, AABC AGENCY PROCURED BY THE MECHANICAL CONTRACTOR. A COMPLETE AIR BALANCE REPORT TO BE SUBMITTED TO THE ADMINISTRATIVE AUTHORITY AND TO THE MECHANICAL ENGINEER AND APPROVED PRIOR TO FINAL PAYMENT.
13. AIR HANDLING DUCT SYSTEMS SHALL BE CONSTRUCTED, INSTALLED AND INSULATED AS PROVIDED IN CHAPTER 6 OF 2022 CMC.
14. MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 (2022 CMC SECTION 602.2).
15. DUCTWORK SHALL BE HARD DUCT. FLEXIBLE AIR DUCTS SHALL BE NOT MORE THAN 5' IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIDGED ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE (SEC 603.4.1 CMC).
16. ANY SUBSTITUTION MADE THAT IS DIFFERENT FROM WHAT IS SPECIFIED ON THE DRAWINGS SHALL BE CLEARLY INDICATED ON THE SUBMITTAL AS TO THAT IS BEING SUBSTITUTED.
17. THERMOSTATS SHALL COMPLY WITH THE 2022 ENERGY COMMISSION AND SHALL BE WIFI ENABLED.
18. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM.

AIR DISTRIBUTION SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NO.	FINISH	LOCATION	ACCESSORIES
CD	CEILING DIFFUSER	"KRUEGER" MODEL 6500	WHITE POWDER COAT	ALL	T-BAR CEILING PERFORATED FACE W/ ROUND NECK
CR	CEILING REGISTER	"KRUEGER" MODEL S80P	WHITE POWDER COAT	ALL	T-BAR CEILING PERFORATED FACE
RD	ROUND DIFFUSER	"KRUEGER" MODEL RA2	WHITE POWDER COAT	ALL	-
TG	TRANSFER GRILLE	"KRUEGER" MODEL S80	WHITE POWDER COAT	ALL	-

(1) AT ALL HARD LID CEILINGS, CONTRACTOR SHALL PROVIDE FOR "MAT" CABLE DRIVEN DAMPERS. MODEL RT-150. CABLE SHALL BE ROUTED BEHIND GRILLE OPENING AND INSTALLED PER MANUFACTURER'S REQUIREMENTS.

(2) NO OPPOSED BLADE DAMPERS SHALL BE USED.

HYDRONIC PIPE MATERIAL SCHEDULE

SERVICE	PIPE MATERIAL	JOINT TYPES	FITTINGS MATERIAL	PRESSURE RATING	VALVE TYPES
HEATING HOT WATER (LESS THAN 2")	COPPER TYPE "L"	SOLDERED	CAST BRONZE WROUGHT COPPER	125 PSI	BALL BUTTERFLY CHECK

PIPE INSULATION SCHEDULE

FLUID OPERATING TEMPERATURE RANGE (°F)	INSULATION CONDUCTIVITY: CONDUCTIVITY (IN Btu-in/hr per sqft/°F)	INSULATION CONDUCTIVITY: MEAN RATING TEMPERATURE (°F)		NOMINAL PIPE DIAMETER (IN INCHES): <1	1 to < 1.5	1.5 to < 4	4 to < 8	8 and larger
SPACE HEATING				MINIMUM PIPE INSULATION REQUIRED (THICKNESS OR R-VALUE)				
141° - 200°	0.25 - 0.29	125	INCHES	1.5	1.5	2.0	2.0	2.0
			R-VALUE	R 11.5	R 11	R 14	R 11	R 10
105° - 140°	0.22 - 0.28	100	INCHES	1.0	1.5	1.5	1.5	1.5
			R-VALUE	R 7.7	R 12.5	R 11	R 9	R 8

NOTE:
1. ALL INSULATION WALL THICKNESS GREATER THAN 1-1/2" REQUIRES DOUBLE LAYER (1" PLUS 1-1/2" OR 1-1/2" PLUS 1") TO MEET ASTM E84 (UL 723). EACH INDIVIDUAL LAYER MUST BE FULLY VAPOR PROOF, SEALED AND MEET ASTM E84 25/50 FLAME SPREAD/SMOKE GENERATED RATINGS.

(E) VAV BOX SCHEDULE

TAG	MANUFACTURER & MODEL NO.	AREA SERVED	MIN.	MAX.	REHEAT COIL: ROWS	REHEAT COIL: GPM	REHEAT COIL: MBH	REHEAT COIL: S.P. LOSS	REMARKS	ANCHORAGE DETAIL REFERENCE
(E) VAV 1-2	KRUEGER LMHS-10	(E) INT. ROOMS, (E) SOFT INT. ROOM, (N) POST EDITING OFFICE & (E) OFFICE STORAGE	280	940	N/A	N/A	N/A	N/A	RE-BALANCE EXISTING VAV BOX TO INDICATED AIR FLOW	N/A
(E) VAV 1-15	KRUEGER LMHS-10	(N) MEDIA ROOM	1,000	2,000	2	3.0	-	0.52"	RE-BALANCE EXISTING VAV BOX TO INDICATED AIR FLOW	N/A
(E) VAV 1-16	KRUEGER LMHS-14	(N) MEDIA ROOM & (N) OFFICE/PRODUCTION	1,000	2,000	2	3.0	-	0.52"	RE-BALANCE EXISTING VAV BOX TO INDICATED AIR FLOW EXISTING VAV BOX TO BE RELOCATED, SEE REMODEL PLAN	4 / M301

HVAC LEGEND

SYMBOLS	ABBREVIATIONS	DESCRIPTIONS
		SQ., RECT., OR ROUND DUCT SIZE AS NOTED
		DUCT WITH ACOUSTICAL LINER
		EXISTING DUCT OR EQUIPMENT TO REMAIN
		EXISTING DUCT OR EQUIPMENT TO BE REMOVED
		FLEXIBLE DUCT
	CD	CEILING DIFFUSER, SUPPLY
	CR / CE	CEILING REGISTER, RETURN / EXHAUST
		SECTION THROUGH DUCT
		DUCT DOWN
		RECTANGULAR TO ROUND TRANSITION
		DUCT ACCESS DOOR
		MITERED DUCT ELBOW WITH TURNING VANES
SFD		COMBINATION SMOKE / FIRE DAMPER WITH ACCESS DOOR
MVD		MANUAL VOLUME DAMPER, LOCKING QUADRANT TYPE FOR ROUND DUCT OR OPPOSED BLADE TYPE FOR RECT DUCT.
		SECTION REFERENCE
DETAIL No. / SHEET No.		DETAIL REFERENCE
EQUIPMENT ID. No.		EQUIPMENT DESIGNATION AND NUMBER
	OBD	OPPOSED BLADE DAMPER
		PARALLEL DAMPER
T	TSTAT	THERMOSTAT
CO2	CO2 SENSOR	CO2 SENSOR
DD		DUCT DETECTOR
RS		REMOTE SENSOR
	HHWS	HYDRONIC HEATING HOT WATER SUPPLY
	HHWR	HYDRONIC HEATING HOT WATER RETURN
	DN	PIPE DOWN
	UP	PIPE UP
	DN	TEE DOWN
	UP	TEE UP
	SOV	SHUT OFF VALVE
	A.F.F.	ABOVE FINISHED FLOOR
	CFM	CUBIC FEET OF AIR PER MINUTE
	CFMS	CFM SUPPLY
	CFMR	CFM RETURN
	CFME	CFM EXHAUST
	O.S.A.	OUTSIDE AIR
	(E) or EXIST.	EXISTING
	(N)	NEW
	30"x10"	INDICATES RECTANGULAR DUCT SIZE: WIDTH x HEIGHT
	12"Ø	INDICATES ROUND DUCT SIZE: DIAMETER
	POC	POINT OF CONNECTION
	POD	POINT OF DEMOLITION
M		MOTORIZED DAMPER

ANCHORAGE AND BRACING NOTES

1. PIPES, DUCTS AND CONDUITS SHALL BE SUPPORTED AND BRACED PER THE 2006 SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEMS", THE "SUPERSTRUT SEISMIC RESTRAINT SYSTEM" FOR PIPES AND CONDUITS ONLY.

MECHANICAL SHEET INDEX

SHEET NUMBER	SHEET NAME
M001	MECHANICAL LEGENDS NOTES & SCHEDULES
M101	MECHANICAL DEMOLITION PLAN
M102	MECHANICAL REMODEL PLAN
M301	MECHANICAL DETAILS

HOLT ARCHITECTURE
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2300 MARKET ST. STE 140, RIVERSIDE, CA 92501, PH: 951.462.1451
WWW.HOLTARCHITECTURE.COM
CONSULTANT:
REGISTERED PROFESSIONAL ENGINEER, Stephen M. Jackson, No. 33209, SIGNED:09/16/2025, MECHANICAL, STATE OF CALIFORNIA
DESIGN WEST ENGINEERING, 411 E Huntington Dr, Suite 107-356, Arcadia, CA 91006, (626) 628-0555, www.dwengr.com

STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE, ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
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FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:10:04 PM

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DMC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
MECHANICAL LEGENDS NOTES & SCHEDULES

SHEET NO.:
M001

PRINTED: 9/16/2025 4:14:38 PM
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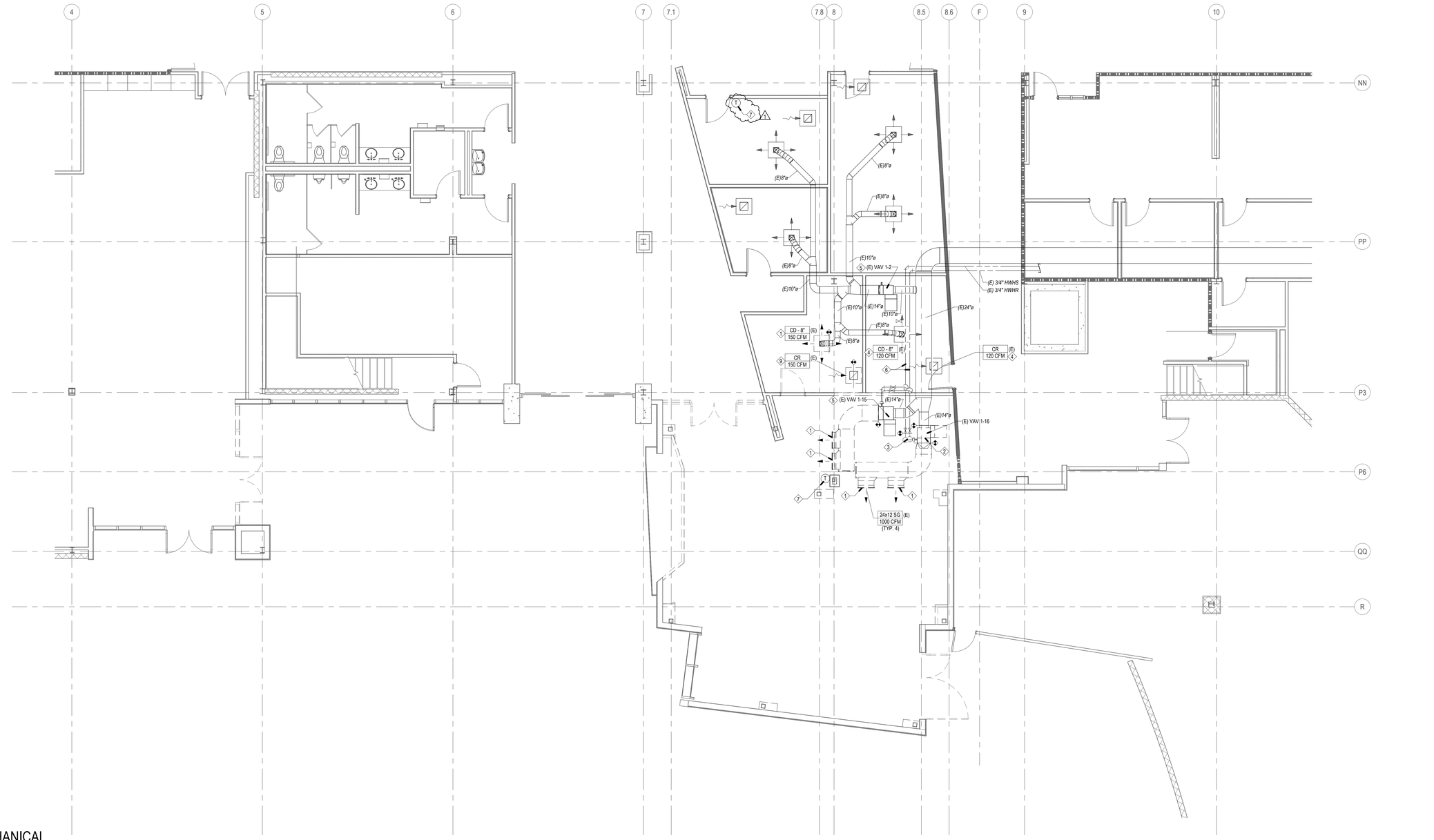

1 MECHANICAL DEMOLITION PLAN
3/16" = 1'-0"

GENERAL NOTES

1. FOR LINE TYPES, SYMBOLS & ABBREVIATIONS SEE LEGEND ON SHEET M001.

DEMOLITION NOTES

1. REMOVE EXISTING AIR DEVICE & CONNECTED DUCT BACK TO P.O.D.
2. REMOVE & RELOCATE EXISTING VAV BOX TO NEW LOCATION AS SHOWN ON REMODEL PLAN
3. REMOVE HHWS&R PIPES BACK FROM EXISTING VAV BOX TO P.O.D.
4. PROTECT IN PLACE EXISTING AIR DEVICE & CONNECTED DUCTWORK.
5. PROTECT IN PLACE EXISTING VAV BOX
6. PROTECT IN PLACE EXISTING HHWS&R PIPES
7. REMOVE & RELOCATE EXISTING VAV BOX TEMPERATURE SENSOR TO NEW LOCATION SHOWN ON REMODEL PLAN. REMOVE STAT WIRES & CONDUIT BACK TO EXISTING VAV BOX.
8. NOT USED.
9. REMOVE AND REPLACE EXISTING AIR DEVICE.

KEY PLAN

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STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

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The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DMC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 Comments
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

MECHANICAL DEMOLITION PLAN

SHEET NO.:

M101

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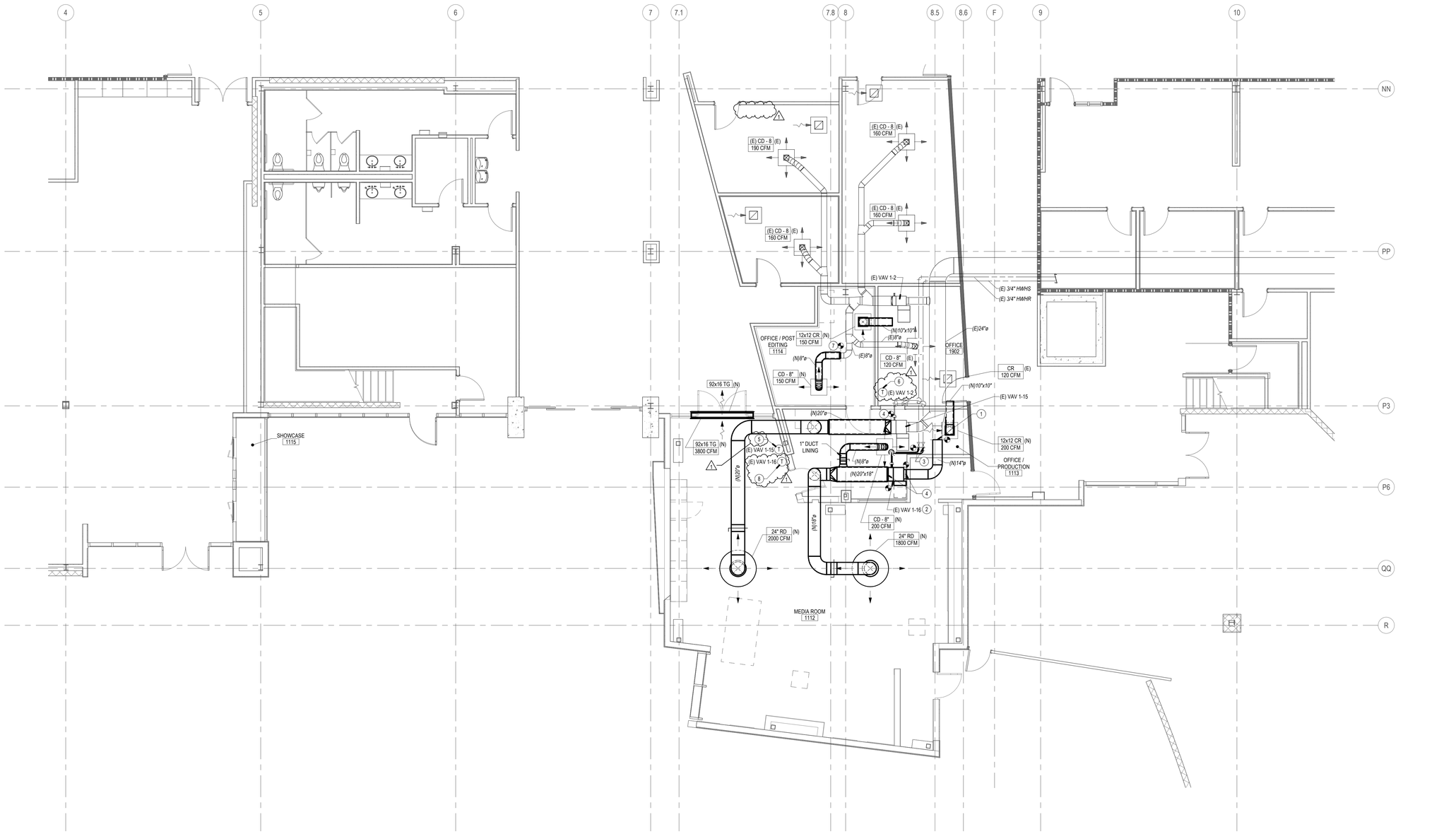

1 MECHANICAL REMODEL PLAN
3/16" = 1'-0"

GENERAL NOTES

1. FOR LINE TYPES, SYMBOLS & ABBREVIATIONS SEE LEGEND ON SHEET M001.
2. NEW SPIN-IN OR TAP TYPE DUCT CONNECTIONS SHALL BE PROVIDED WITH AN EXTRACTOR.
3. RELOCATED T-STATS SHALL NOT BE MOUNTED IN DIRECT LINE OF ANY SUPPLY DIFFUSER OR NEAR ANY HEAT REJECTION EQUIPMENT.
4. NEW DUCT DIMENSIONS ARE NET INSIDE CLEAR
5. NEW DUCTWORK SHALL BE HARD DUCT. FLEX DUCT MAY BE USED ONLY AT SUPPLY & RETURN OUTLETS AT A MAX. LENGTH OF 5'-0".
6. NEW DUCTWORK SHALL BE MOUNTED HIGH AND TIGHT TO ROOF STRUCTURE AS POSSIBLE.
7. PROVIDE NEW LOW-VOLTAGE WIRING FOR RELOCATED THERMOSTATS AND CONNECT BACK TO EXISTING EMS SYSTEM FOR EACH UNIT.
8. COORDINATE NEW DUCT RUNS WITH FIRE SPRINKLER CONTRACTOR.
9. FOR NEW DUCT SUPPORT, SEE DETAILS 5/M301, 6/M301
10. FOR NEW AIR DEVICE MOUNTING, SEE DETAILS 1/M301, 2/M301, 3/M301
11. FOR TEMPERATURE SENSOR MOUNTING, SEE DETAIL 11/M301
12. FOR NEW HYDRONIC PIPE SUPPORT, SEE DETAIL 9/M301
15. FOR NEW HYDRONIC PIPE CONNECTION TO EXISTING VAV BOX, SEE DETAIL 10/M301
16. FOR DUCT CONSTRUCTION, SEE DETAIL 7/M301

CONSTRUCTION NOTES

1. CONNECT NEW DUCT TO EXISTING AT P.O.C.
2. EXISTING VAV BOX IN NEW LOCATION.
3. CONNECT NEW 1/2" HWWS&R PIPES TO EXISTING PIPES AT P.O.C. PROVIDE NEW VAV HYDRONIC PIPING PACKAGE FOR VAV 1-16. RE-CONNECT EXISTING RELOCATED VAV BOX TO EXISTING EMS CONTROLS. CONNECT NEW 2-WAY VALVE TO EXISTING EMS CONTROLS.
4. CONNECT NEW DUCT TO EXISTING VAV BOX AT P.O.C.
5. RELOCATED EXISTING VAV BOX TEMPERATURE SENSOR. ROUTE NEW THERMOSTAT WIRES AND CONDUIT TO EXISTING VAV BOX 1-15. PROVIDE TAMPER PROOF COVER.
6. RELOCATED EXISTING VAV BOX TEMPERATURE SENSOR. ROUTE NEW THERMOSTAT WIRES AND CONDUIT TO EXISTING VAV BOX 1-2.
7. CONNECT NEW DUCT WITH LINING TO EXISTING DUCT AT POC.
8. RELOCATED EXISTING VAV BOX TEMPERATURE SENSOR. ROUTE NEW THERMOSTAT WIRES AND CONDUIT TO EXISTING VAV BOX 1-16. PROVIDE TAMPER PROOF COVER.

KEY PLAN

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SIGNED:09/16/2025
MECHANICAL
STATE OF CALIFORNIA
DESIGN WEST ENGINEERING

STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
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PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 Comments
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

MECHANICAL REMODEL PLAN

SHEET NO.:

M102

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By: Andrew Rosenberg
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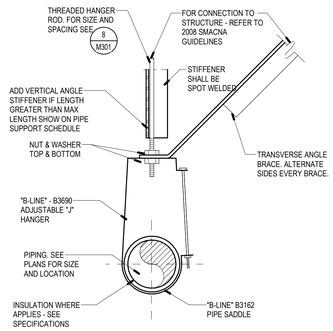
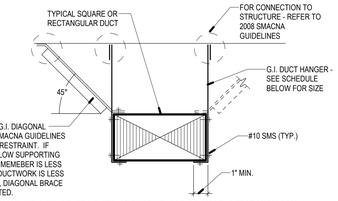


NOTES:

1. DETAIL APPLIES TO PIPES 2" I.D. AND SMALLER
2. REFER TO PIPE SUPPORT SCHEDULE FOR ADDITIONAL INFORMATION

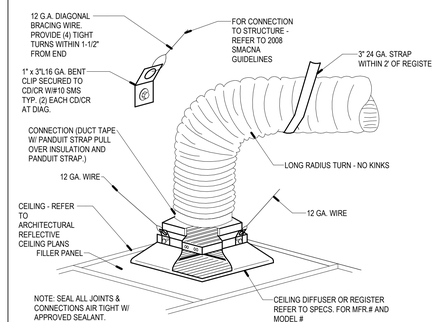
HYDRONIC PIPE SUPPORT 9



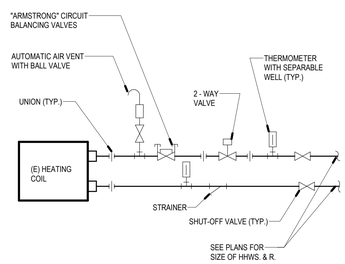
NOTE: PER 2020 SMACNA HVAC DUCT CONSTRUCTION STANDARDS AND 2022 CMC SECTION 602 & 603

10'-0" SPACING HANGER STRAP SCHEDULE			
DUCT SIZE	HANGER SIZE	MAX. SPACING	MATERIAL
UP THRU 18"	1" x 18 GA.	10'-0" O/C	G.I. STEEL
19" TO 30"	1" x 18 GA.	10'-0" O/C	G.I. STEEL
31" TO 48"	1" x 1/8"	10'-0" O/C	G.I. STEEL
12'-0" SPACING HANGAR STRAP SCHEDULE			
DUCT SIZE	HANGER SIZE	MAX. SPACING	MATERIAL
UP THRU 24"	1" x 1/8" STRAP	12'-0" O/C	G.I. STEEL
25" TO 36"	1" x 1" x 1/8" ANGLE	12'-0" O/C	G.I. STEEL
37" TO 48"	1-1/8" x 1-1/8" x 1/8" ANGLE	12'-0" O/C	G.I. STEEL

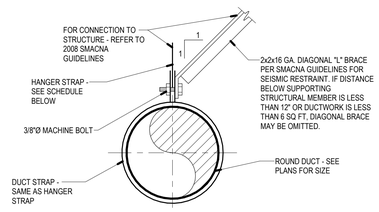
DUCT SUPPORT 5



AIR DISTRIBUTION - CEILING SUPPLY 1



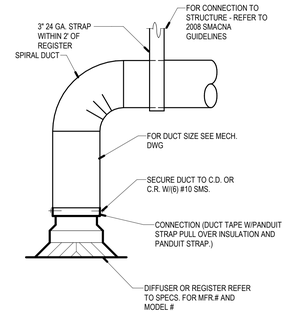
HYDRONIC PIPING DIAGRAM 10



NOTE: PER 2020 SMACNA HVAC DUCT CONSTRUCTION STANDARDS AND 2022 CMC SECTION 602 & 603

10'-0" SPACING HANGER STRAP SCHEDULE			
DUCT SIZE	HANGER SIZE	MAX. SPACING	MATERIAL
UP THRU 10"	1" x 22 GA.	10'-0" O/C	G.I. STEEL
11" TO 20"	1" x 22 GA.	10'-0" O/C	G.I. STEEL
21" TO 40"	1" x 20 GA.	10'-0" O/C	G.I. STEEL
12'-0" SPACING HANGER STRAP SCHEDULE			
DUCT SIZE	HANGER SIZE	MAX. SPACING	MATERIAL
UP THRU 10"	2" x 18 GA.	12'-0" O/C	G.I. STEEL
11" TO 20"	2" x 16 GA.	12'-0" O/C	G.I. STEEL
21" TO 40"	1/8" STEEL x 1-1/2"	12'-0" O/C	G.I. STEEL

DUCT SUPPORT 6



AIR DISTRIBUTION 2

NOTE:
PROVIDE A 30"W x 27"H x 19"D MIN. TOE/KNEE CLEARANCE FOR FRONT APPROACH OVER OBSTRUCTION

SENSOR MOUNTING 11

RECTANGULAR	DUCT		
DUCT SIZE	GAUGE	TRANSVERSE JOINT	BRACING
UP TO 12"	26	DD, SS	NONE
13" TO 18"	24	DD, SS	NONE
19" TO 30"	24	DD, SS	NONE
31" TO 42"	22	1" PS OR BS	1x1x1-1/8
43" TO 54"	22	1-1/2" STANDING SEAM	1.5x1.5
ROUND			
DUCT SIZE	GAUGE	TRANSVERSE JOINT	BRACING
UP TO 9"	26	2" SLIP	NONE
10" TO 14"	24	4" SLIP	NONE
14" TO 23"	22	4" SLIP	NONE
24" TO 30"	22	4" SLIP	1x1x1-1/8

NOTE:

1. PER SMACNA-2020 HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE, 3RD EDITION AND 2022 CMC .
2. LOW PRESSURE DUCT CONSTRUCTION: GAUGES, TRANSVERSE JOINTS, SPACING OF JOINTS AND INTERMEDIATE BRACING SHALL BE AS TABULATED ABOVE, IN WHICH TRANSVERSE JOINTS ARE SHOWN SS FOR S-STOP, DS FOR DRIVE SLIP, PS FOR POCKET SLIP, AND BS FOR BAR SLIP, PS AND BS LAPPED AND RIVETED AT CORNERS. INTERMEDIATE BRACING WHERE SHOWN MAY BE OMITTED IF DUCT SECTIONS OF FOUR FEET (4'-0") OR LESS ARE USED. MAXIMUM SPACING OF BRACING - FOUR FEET (4'-0")

DUCT CONSTRUCTION 7

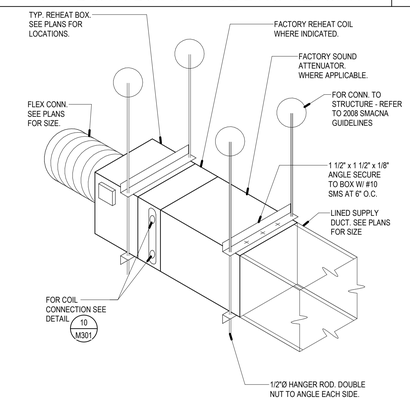
AIR DISTRIBUTION - CEILING RETURN 3

PIPE SIZE IN INCHES	MAXIMUM SPAN BETWEEN SUPPORT HANGERS O.C. HORIZ.	VERT	HANGER ROD DIAMETER SIZE	MAX. LENGTH FOR RODS	LONGITUDINAL ANGLE BRACE (2)	VERTICAL: HANGER ANGLE (STIFFENER) (1)	TRANSVERSE ANGLE BRACE (2)	BOLT SIZE
COPPER TUBE & PIPE								
1/2 & 3/4	6'-0"	10'-0"	3/8"	37"	1-1/2 x 1-1/2 x 18 GA @ 80'-0" O.C.	1 x 1 x 18GA	1-1/2 x 1-1/2 x 18 GA @ 40'-0" O.C.	3/8"

NOTES

(1) VERTICAL ANGLE ONLY REQUIRED WHEN ROD MAXIMUM LENGTH IS EXCEEDED.
(2) BRACING MAY BE OMITTED WHERE TOP OF PIPE IS 12" OR LESS FROM BOTTOM OF HANGER SUPPORT CONNECTED TO STRUCTURE

HYDRONIC PIPE SUPPORT SCHEDULE 8



(E) VAV UNIT MOUNTING 4

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STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

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City of Ontario | Building Department
APPROVED & REVIEWED
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Date: 09/29/2025 4:10:04 PM

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC Revisions
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

MECHANICAL DETAILS

SHEET NO.:

M301

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25-003

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST CODE OF FEDERAL REGULATIONS (CFR), NATIONAL ELECTRICAL CODE EDITION AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
2. ALL WORK IS NEW UNLESS NOTED OTHERWISE.
3. ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS IN COMPLIANCE TO UL REQUIREMENTS TO ACCOMMODATE CONDUCTORS SHOWN.
4. WHERE WIRE SIZES ARE INDICATED ON PLANS, FOR INDIVIDUAL CIRCUITS, THE WIRE SIZE INDICATED SHALL APPLY TO THE COMPLETE CIRCUIT, UNLESS OTHERWISE NOTED.
5. WHERE EXISTING CIRCUITS OR DEVICES ARE DEMOLISHED, MODIFIED, OR REUSED, ENSURE ALL EXISTING ELECTRICAL UTILIZATION DEVICES TO REMAIN ARE ENERGIZED UPON COMPLETION OF WORK.
6. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF MECHANICAL, PLUMBING AND OTHER EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO ANY WORK.
7. CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, SWITCHES, ETC. AND MAKE FINAL CONNECTION AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
8. LOCATION OF LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOORS, INSTALL SWITCHES ON SIDE OPPOSITE TO DOOR HINGE. VERIFY FINAL HINGE LOCATION IN FIELD PRIOR TO ANY WORK.
9. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OR OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND MINIMUM CODE REQUIRED WORKING CLEARANCES AT ALL TIMES.
10. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL OUTLET BOXES FOR SWITCHES, BELL/STROBES, FIRE ALARM PULL STATIONS. RECEPTACLES ETC. WITH CABINETS, FURNITURE, EQUIPMENT ETC., TO AVOID CONFLICT.
11. WHERE ELECTRIC MOTORS OR HEATERS ARE INSTALLED IN HUNG CEILINGS, PROVIDE DISCONNECT SWITCH IN HUNG CEILING WITHIN REACH FROM ACCESS POINT.
12. FURNISH APPROVED EXPANSION FITTINGS WHERE RACEWAY CROSSES BUILDING EXPANSION JOINTS.
13. FURNISH PULL STRING IN EACH RACEWAY RUN OVER 10' IN LENGTH, IN WHICH PERMANENT WIRING IS NOT INSTALLED.
14. NOT MORE THAN THREE LIGHTING OR CONVENIENCE OUTLET CIRCUITS ARE PERMITTED IN ONE CONDUIT, PROVIDE SEPARATE CONDUIT FOR EACH HOMERUN INDICATED ON THE DRAWING, UNLESS INDICATED OTHERWISE.
15. PROVIDE PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF CONDUCTORS. COORDINATE LOCATIONS OF BOXES WITH OTHER TRADES TO AVOID CONFLICT. PULL BOXES SHALL BE ACCESSIBLE. THE SIZE OF PULL BOX SHALL COMPLY WITH N.E.C. REQUIREMENTS.
16. OUTLET BOXES FOR FIXTURES RECESSED IN HUNG CEILING SHALL BE ACCESSIBLE THROUGH OPENING CREATED BY REMOVAL OF FIXTURES.
17. SEE MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATION FOR ADDITIONAL CONNECTION REQUIREMENTS TO CONTROL PANELS, CONTROL TRANSFORMERS, POWER FOR CONTROL SYSTEM EP AND PE SWITCHES, TIME CLOCKS, VALVES, STATS, RELAYS, DUCT SMOKE DETECTOR LOCATIONS, ETC. INDICATED ON CONTROL WIRING DIAGRAMS. ELECTRICAL CONTRACTOR SHALL VERIFY FINAL CONTROL WIRING REQUIREMENTS WITH MECHANICAL AND PLUMBING CONTRACTORS PRIOR TO ANY WORK AND PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS AS REQUIRED.
18. ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT INCLUDING THOSE THAT ARE EXPOSED TO OUTSIDE ENVIRONMENT SHALL BE WEATHERPROOF TYPE, NEMA 3R.
19. NO CONDUIT RUNS SHALL BE ALLOWED IN CONCRETE SLABS. ALL CONDUITS WILL BE PLACED ABOVE ACCESSIBLE CEILING SPACES UNLESS SPECIFICALLY INDICATED TO BE UNDERGROUND.
20. LIGHTING, POWER, TELEPHONE AND COMMUNICATIONS OUTLETS SHALL NOT BE PLACED BACK-TO-BACK.
21. WHERE MORE THAN ONE LIGHT SWITCH OCCURS AT SAME LOCATION, SWITCHES SHALL BE MOUNTED IN A MULTIPLE GANG BOX UNDER A SINGLE COVER PLATE. PLATES WITH MORE THAN (3) LIGHT SWITCHES SHALL BE LABELED TO INDICATE THE LIGHT FIXTURES CONTROLLED.
22. DISCONNECT SWITCHES SHALL BE MOUNTED ON INDIVIDUAL SUPPORTS, OR OTHERWISE DIRECTLY ON EQUIPMENT, PROVIDED NO MODIFICATION TO EQUIPMENT IS NECESSARY.
23. ALL ELECTRICAL POWER, LIGHTING, TELEPHONE OR SIGNAL WIRING IN FIRE RATED WALL IS TO BE INSTALLED IN A METALLIC CONDUIT SYSTEM.
24. ALL ELECTRIC MATERIAL SHALL BE LISTED BY "UL" FOR THE TYPE OF APPLICATION AND "UL" LABEL SHALL APPEAR ON ALL ELECTRICAL EQUIPMENT.
25. ALL DISTRIBUTION AND CONTROL EQUIPMENT (SUCH AS CB's, SWITCHES, CONTACTORS, ETC.), TERMINATIONS SHALL BE FULLY RATED PER UL AS FOLLOWS:
    a. 100A OR LESS : 60°C OR MORE;
    b. MORE THAN 100A : 75°C OR MORE.
26. ANY ERRORS, OMISSIONS, OR DESIGN DISCREPANCIES ON PLANS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ELECTRICAL ENGINEER FOR CLARIFICATION OR CORRECTION PRIOR TO CONSTRUCTION AND PREPARATION OF SUBMITTAL PACKAGES.
27. CONDUCTORS SHALL HAVE UNDERWRITER'S LABORATORIES, INC.(UL) LISTED, 600 VOLT INSULATION OF TYPE SPECIFIED BELOW OR ELSEWHERE IN THE SPECIFICATIONS. CONDUCTORS SHALL BE COPPER AND LISTED FOR 90 DEGREE APPLICATIONS.
    1. BRANCH CIRCUITS - LIGHTING AND POWER.
        a. #10 AWG AND SMALLER, SOLID WIRE TYPE THW OR THHN/THWN-2, THHW(THHN FOR DRY LOCATION ONLY).
        b. #8 AWG TO #2 AWG, STRANDED TYPE THW OR THHN/THHW.
        c. #1 AWG AND LARGER, STRANDED TYPE XHHW-2.
    2. FEEDERS : TYPE THW OR THHN/THWN-2, OR XHHW-2.
28. PROVIDE GREEN INSULATED GROUNDING CONDUCTOR IN EACH RACEWAY INCLUDING CONDUITS, PLUG STRIPS, WIREMOLD. SIZE OF GROUNDING SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE ARTICLE 250.
29. WIRING METHOD SHALL BE EMT ABOVE GROUND AND MOUNTED IN CONCEALED SPACES AND SCHEDULE-40 PVC FOR UNDERGROUND INSTALLATION. USE RIGID WHEN ENCASED IN CONCRETE OR SUSCEPTIBLE TO DAMAGE.
30. ALL SWITCH LOCATIONS ARE REQUIRED TO HAVE A NEUTRAL CONDUCTOR PROVIDED AT THE SWITCH LOCATION PER NEC 404.2(C).
31. UNLESS OTHERWISE INDICATED, SHARING OF NEUTRAL/GROUNDED CONDUCTORS AMONG SINGLE PHASE BRANCH CIRCUITS OF DIFFERENT PHASES INSTALLED IN THE SAME RACEWAY IS NOT PERMITTED. PROVIDE DEDICATED NEUTRAL/GROUNDED CONDUCTOR FOR EACH INDIVIDUAL BRANCH CIRCUIT.
32. UNLESS OTHERWISE INDICATED, PROVIDE A SEPARATE SWITCHED AND UNSWITCHED PHASE CONDUCTOR TO ALL CONTROLLED RECEPTACLES REGARDLESS OF RECEPTACLE CONFIGURATION.
33. BASIS OF ELECTRICAL DESIGN LIMITS VOLTAGE DROP TO 2% FOR FEEDERS AND 3% FOR BRANCH CIRCUITS. ANY CHANGES MADE IN THE FIELD SHALL LIMIT VOLTAGE DROP TO THESE PERCENTAGES.
34. BRANCH CIRCUIT CONDUITS SHALL BE CONCEALED IN WALL OR CEILING SPACES. EXPOSED CONDUITS ARE NOT ALLOWED WHERE CONCEALED METHODS ARE AVAILABLE.
35. CONTRACTOR SHALL PROVIDE CONDUCTORS AND CONDUITS REQUIRED FOR ALL BRANCH CIRCUITS AND FEEDERS. FOR CIRCUIT SIZES NOT SHOWN, REFER TO PANEL SCHEDULES FOR CONDUCTOR AND CONDUIT SIZES.
36. ALL EMERGENCY CIRCUITS SHALL BE ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT AND SHALL NOT ENTER SAME RACEWAY, BOXES OR CABINETS WITH OTHER WIRING EXCEPT WHERE PROVIDED IN NEC 700.9B.
37. REFER TO LIGHTING CONTROL DETAILS FOR WIRING AND CONDUIT REQUIREMENTS. CONTRACTOR SHALL PROVIDE ALL WIRING AND CONDUITS REQUIRED BY MANUFACTURER TO FIXTURES AND CONTROLS.
38. THE CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER TRADES. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION, WHICH DIFFERS FROM THE WORK AS SHOWN ON THE CONTRACT DOCUMENTS, SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERRUPTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
39. EXACT ROUTING METHOD AND LOCATION OF CONDUIT PENETRATION AND OPENINGS IN WOOD ROOF DECKS, WALL, FLOORS OR STRUCTURAL STEEL MEMBERS SHALL BE DETERMINED BY THE CONTRACTOR IN FIELD. PERFORM CORING, SAWCUTTING, PATCHING AND REFINISHING OF EXISTING WALLS AND SURFACES WHEREVER IT IS NECESSARY TO PENETRATE. OPENINGS SHALL BE SEALED IN AN APPROVED METHOD TO MEET THE FIRE RATING AND WATER PROOFING REQUIREMENTS OF THE PARTICULAR WALL, FLOOR OR CEILING. ALL FIRE SEALS SHALL BE UL APPROVED. CONTRACTOR SHALL SCAN ALL CONCRETE WALLS AND SLABS FOR THE PRESENCE OF REBAR AND/OR UTILITIES PRIOR TO DRILLING OR CUTTING IF CONCRETE WORK IS INVOLVED. CONTRACTOR SHALL PROVIDE CERTIFICATION OF CALIBRATION OF CONCRETE SCANNING EQUIPMENT PRIOR TO PERFORMING WORK.
40. ALL 125 AND 250-VOLT, 15- AND 20-AMPERE NONLOCKING TYPE RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES IN AREAS SPECIFIED IN NEC 406.12.
41. ALL 125-VOLT THROUGH 250-VOLT RECEPTACLES SUPPLIED BY SINGLE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 50 AMPERES OR LESS, AND ALL RECEPTACLES SUPPLIED BY THREE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 100 AMPERES OR LESS, INSTALLED IN THE LOCATIONS SPECIFIED BELOW SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL AND ANY OTHER AREAS SPECIFIED IN NEC 210.8
    a. BATHROOMS
    b. KITCHENS OR AREAS WITH A SINK AND PERMANENT PROVISIONS FOR EITHER FOOD PREPARATION OR COOKING
    c. ROOFTOPS
    d. OUTDOORS
    e. SINKS — WHERE RECEPTACLES ARE INSTALLED WITHIN 6 FT FROM THE TOP
    f. INDOOR DAMP AND WET LOCATIONS
    g. LOCKER ROOMS WITH ASSOCIATED SHOWERING FACILITIES
    h. GARAGES, ACCESSORY BUILDINGS, SERVICE BAYS, AND SIMILAR AREAS OTHER THAN VEHICLE EXHIBITION HALLS AND SHOWROOMS
    i. CRAWL SPACES — AT OR BELOW GRADE LEVEL
    j. UNFINISHED AREAS OF BASEMENTS
    k. LAUNDRY AREAS
    l. BATHTUBS AND SHOWER STALLS — WHERE RECEPTACLES ARE INSTALLED WITHIN 6 FT OF THE OUTSIDE EDGE OF THE BATHTUB OR SHOWER STALL

ABBREVIATIONS

A	AMPERE
AF	AMPERE FRAME RATING (CIRCUIT BREAKER)
AFC	AVAILABLE FAULT CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFU	AMPHERE FUSE RATING (FUSE)
AIC	AMPHERE INTERRUPTING CAPACITY
AS	AMPERE SWITCH RATING (FUSE)
AT	AMPERE TRIP RATING (CIRCUIT BREAKER)
AWG	AMERICAN WIRE GAUGE
BCG	BARE COPPER GROUND
BKBD	BACKBOARD
BLDG	BUILDING
BKR	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CFSD	COMBINATION FIRE SMOKE DAMPER
CO	CONDUIT ONLY
CONC	CONCRETE
CT	CURRENT TRANSFORMER
CU	COPPER
℄	CENTERLINE
DISC	DISCONNECT
DSBN	DISTRIBUTION SECTION
DN	DOWN
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
EXIST, (E)	EXISTING
EXO	EXTERNAL OPERABLE DISCONNECT
F	FUSE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FF	FINISHED FLOOR
FG	FINISHED GRADE
FLA	FULL LOAD CURRENT
GEC	GROUNDING ELECTRODE CONDUCTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GND	GROUND
HD	HEAVY DUTY
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HV	HIGH VOLTAGE
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED/INSULATED GROUND
ISC	SHORT CIRCUIT CURRENT AVAILABLE IN RMS SYMMETRICAL AMPERES
J-BOX	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KW	KILOWATT
KV	KILO VOLT
KVA	KILO VOLT-AMPERE
LDC	LOCAL DISTRIBUTION CABINET
LDF	LOCAL DISTRIBUTION FRAME
LCL	LONG CONTINUOUS LOAD
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LSIG	LONG, SHORT, INSTANTANEOUS, GROUND
LTG	LIGHTING
LV	LOW VOLTAGE
MFR	MANUFACTURER
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MIN	MINIMUM
MH	MANHOLE / METAL HALIDE
MLO	MAIN LUGS ONLY
M/M	METER AND MAIN SECTION
MV	MEDIUM VOLTAGE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NEW (N)	NEW, TO BE FURNISHED AND INSTALLED BY CONTRACTOR
NF	NON-FUSED
NIC	NOT IN CONTRACT
N/L	NIGHT LIGHT
NO	NUMBER, NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PB	PULL BOX
PF	POWER FACTOR
PNL	PANEL
POC	POINT OF CONNECTION
PP	POWER POLE
PWR	POWER
PVC	POLYVINYL CHLORIDE
QUAD	QUADRUPLEX
QTY	QUANTITY
RGS	RIGID GALVANIZED STEEL
RMC	RIGID METALLIC CONDUIT
RM	ROOM
RNC	RIGID NONMETALLIC CONDUIT
SHT	SHEET
SN	SOLID NEUTRAL
SPEC	SPECIFICATIONS
SW	SWITCH
SWBD	SWITCHBOARD
TC	TIME CLOCK
TEL	TELEPHONE
TERM	TERMINAL
TP	TEMPORARY POLE
TYP	TYPICAL
UGPS	UNDERGROUND PULL SECTION
UL	UNDERWRITERS LABORATORY
UPS	UNINTERRUPTIBLE POWER SUPPLY
UON	UNLESS OTHERWISE NOTED
V	VOLT, VOLTAGE
VA	VOLT-AMPERE
VD	VOLTAGE DROP
VFC	VARIABLE FREQUENCY CONTROLLER
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WH	WATT-HOUR
WP	WEATHERPROOF
WW	WIREWAY
XP	EXPLOSION PROOF
Z	IMPEDANCE
4W	FOUR-WIRE
3W	THREE-WIRE
5S	JUNCTION BOX (4 11/16" SQUARED X2 1/8" DEEP)
Ø	DIAMETER, PHASE
#	NUMBER
°C	DEGREE CELSIUS
(E)	EXISTING DEVICE TO REMAIN
(R)	REMOVE EXISTING DEVICE AND ASSOCIATED CONDUIT AND WIRE U.O.N.
(RL)	REMOVE EXISTING DEVICE AND RELOCATE AS SHOWN ON PLAN
(NL)	NEW LOCATION OF RELOCATED DEVICE

GENERAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND MAKE THEMSELVES COMPLETELY FAMILIAR WITH THE EXISTING INSTALLED CONDITIONS. A FIELD SURVEY VERIFICATION IS MANDATORY IN ORDER TO SUBMIT AN ELECTRICAL BID, FAILURE TO DO SO SHALL NOT RELIEVE THIS CONTRACTOR FROM PERFORMING THE WORK OF THIS CONTRACT.
2. ALL EQUIPMENT OR WORK REQUIRED TO CARRY OUT THE DEMOLITION SCOPE OF WORK IS CONSIDERED TO BE PART OF THE CONTRACTOR SCOPE OF WORK. NO EXTRAS WILL BE CONSIDERED TO PERFORM THE REQUIRED WORK.
3. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE FACILITY DIRECTOR PRIOR TO THE SCHEDULING OF ANY POWER OUTAGE. SUCH PERMISSION MUST BE OBTAINED IN WRITING AND BE GRANTED AT LEAST 7 DAYS PRIOR TO ANY SCHEDULE SHUT DOWN. THE SHUT DOWN SHALL NOT EXCEED A DURATION OF 4 HOURS.
4. THE CONTRACTOR SHALL NOT STORE ON SITE ANY ITEMS THAT WERE DEMOLISHED FOR ANY EXTENDED PERIOD OF TIME, WITHOUT THE WRITTEN PERMISSION OF THE CAMPUS FACILITY DIRECTOR.
5. ALL ELECTRICAL ITEMS DESIGNATED AS EXISTING TO REMAIN SHALL AS PART OF THIS SCOPE OF WORK BE CLEANED AND TESTED, TO INSURE PROPER OPERATION. ANY ITEMS THAT FAIL TO PASS THE TEST SHALL BE BROUGHT TO THE ATTENTION OF THE FIELD INSPECTOR AND THE ENGINEER OF RECORD FOR RESOLUTION.
6. THE CONTRACTOR SHALL REMOVE ALL EXISTING SWITCHBOARDS, DISTRIBUTION BOARDS, PANEL BOARDS, LIGHTING FIXTURES, CONDUITS, WIRES AND OTHER ELECTRICAL APPARATUS DESIGNATED AS EXISTING TO BE REMOVED. DEMOLITION ITEMS, IF NOT REQUIRED TO BE SALVAGED BY OWNER, BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN AN APPROPRIATE MANNER.
7. THE CONTRACTOR SHALL REMOVE ALL CONDUITS SERVING DEVICES WHICH ARE DESIGNATED AS EXISTING TO BE REMOVED, BACK TO THE SOURCE.
8. DEMOLITION AND/OR REMOVAL OF ELECTRICAL EQUIPMENT IN AREAS TO BE REMODELED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. WHERE OUTLETS ARE REMOVED IN EXISTING WALL, REMOVE DEVICES, OUTLETS AND WIRING BACK TO PANELBOARD OR BACK TO NEAREST OUTLET WITH OTHER EXISTING LOAD TO REMAIN.
10. WHERE EXISTING CONDUIT AND CONDUCTORS ARE TO BE REMOVED AND CONDUIT IS INSTALLED IN GROUND OR EMBEDDED IN CONCRETE, REMOVE WIRE AND CUT CONDUIT TO BELOW FLOOR, PLUG CONDUIT, PATCH FLOOR AND ABANDON CONDUIT.
11. WHERE ELECTRICAL DEVICES ARE TO BE REMOVED, REMOVE ALL CONDUIT AND CONDUCTORS BACK TO SOURCE, TERMINAL CABINETS AND RACKS, PROVIDE BLANK COVER PLATE FOR ABANDONED JUNCTION BOXES.
12. REMOVE ALL CONTROL PANELS, EQUIPMENT RACKS, PULL-BOXES, TERMINAL CABINETS, ETC. FOR SYSTEMS TO BE DEMOLISHED EXCEPT WHERE ANY OF THE EXISTING DEVICES, SYSTEMS, CONSOLES, ETC. ARE TO BE REUSED FOR UPGRADE.
13. PROVIDE BLANK COVER PLATE FOR ALL EMPTY OUTLET BOXES WHERE DEVICES AND/OR CONDUCTORS HAVE BEEN REMOVED AS PART OF THIS CONTRACT.
14. AFTER REMOVAL OF WIREMOLD AND ASSOCIATED FITTINGS, PATCH, REPAIR AND PAINT AFFECTED SURFACES TO MATCH EXISTING.
15. EXISTING CONDUIT CAN BE REUSED PROVIDING IT IS CODE COMPLIANT, IS CHECKED FOR CONTINUITY OF GROUND, CLEAN AND MANDREL, AND DOES NOT INTERFERE WITH NEW CONSTRUCTION.
16. REMOVALS AND REPAIRS TO EXISTING ELECTRICAL WORK REQUIRED TO AVOID CONFLICTS WITH NEW CONSTRUCTION TO MEET MINIMUM CODE REQUIREMENTS.

NOTE TO CONTRACTOR

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.

LIGHTING LEGEND AND SYMBOLS

SYMBOL	DESCRIPTION
F1 ab N/L	2'X2' RECESSED LED LUMINAIRE. SUBSCRIPT 2ab REFERS TO CIRCUIT AND SWITCH LEG 'a' AND 'b'. SUBSCRIPT N/L REFERS TO UNSWITCHED LEG. F1 REFERS TO FIXTURE TYPE MARK, SEE LUMINARE SCHEDULE.
F1 ab N/L	8'-0" , MOUNTED AT 16'-0" A.F.F. SUBSCRIPT ab REFERS TO CIRCUIT AND SWITCH LEG 'a' AND 'b'. SUBSCRIPT N/L REFERS TO UNSWITCHED LEG. F1 REFERS TO FIXTURE TYPE MARK, SEE LUMINARE SCHEDULE.
F1 ab N/L	4" RECESSED LED DOWNLIGHT. SUBSCRIPT ab REFERS TO CIRCUIT AND SWITCH LEG 'a' AND 'b'. SUBSCRIPT N/L REFERS TO UNSWITCHED LEG. F1 REFERS TO FIXTURE TYPE MARK, SEE LUMINARE SCHEDULE.
F1 ab N/L	4" PENDANT LED DOWNLIGHT. SUBSCRIPT ab REFERS TO CIRCUIT AND SWITCH LEG 'a' AND 'b'. SUBSCRIPT N/L REFERS TO UNSWITCHED LEG. F1 REFERS TO FIXTURE TYPE MARK, SEE LUMINARE SCHEDULE.
F1 ab N/L	SURFACE MOUNTED DOUBLE FACE EXIT SIGN (UNIVERSAL ARROWS INDICATED AS NEEDED). SUBSCRIPT 2ab REFERS TO CIRCUIT AND SWITCH LEG 'a' AND 'b'. SUBSCRIPT N/L REFERS TO UNSWITCHED LEG. F1 REFERS TO FIXTURE TYPE FOR LUMINAIRE SCHEDULE COORDINATION
F1 ab N/L	SURFACE MOUNTED SINGLE FACE EXIT SIGN (UNIVERSAL ARROWS INDICATED AS NEEDED). SUBSCRIPT 2ab REFERS TO CIRCUIT AND SWITCH LEG 'a' AND 'b'. SUBSCRIPT N/L REFERS TO UNSWITCHED LEG. F1 REFERS TO FIXTURE TYPE FOR LUMINAIRE SCHEDULE COORDINATION
M	OCCUPANCY SENSOR, DUAL-TECHNOLOGY, SURFACE CEILING MOUNTED. WATT STOPPER MODEL #DT-300 OR LEVITON MODEL #OSC20-M0W. PROVIDE WITH POWER PACK(S) AS REQUIRED.
M	DUAL TECHNOLOGY OCCUPANCY SENSOR, SURFACE WALL MOUNTED 180° U.O.N. LEVITON MODEL #OSSMT-GD (FOR SINGLE POLE SWITCHING) & LEVITON MODEL #OSSMD-GD FOR (DUAL SWITCHING)
1ab	LOW-VOLTAGE OVERRIDE SWITCH. NUMBER INDICATES OVERRIDE SWITCH. A,B,C, ETC. DESIGNATES ZONE AS SHOWN ON LIGHTING ZONE SCHEDULE.
Sab	LOW-VOLTAGE DIMMER SWITCH. MOUNTED 48" A.F.F. TO TOP OF DEVICE. A, B, C, ETC. - DESIGNATES ZONE CONTROLLED AND QUANTITY OF ZONES AT EACH LOCATION.
Mab	LOW-VOLTAGE OCCUPANCY SENSOR, DUAL-TECHNOLOGY, SURFACE CEILING MOUNTED INTERCONNECTED TO NETWORK LIGHTING CONTROLS.
RC	CEILING MOUNTED DIGITAL ROOM CONTROLLER INTERCONNECTED TO NETWORK LIGHTING CONTROLS.
PC	LOW VOLTAGE PHOTOCELL INTERCONNECTED TO NETWORK LIGHTING CONTROLS

APPLICABLE CODES

1. 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2. 2022 CALIFORNIA BUILDING CODE (CBC),PART 2, TITLE 24 C.C.R. (IBC WITH AMENDMENTS)
3. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (NEC WITH AMENDMENTS)
4. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (UMC WITH AMENDMENTS)
5. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (UPC WITH AMENDMENTS)
6. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (IFC WITH AMENDMENTS)
7. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
8. 2022 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
9. 2022 CALIFORNIA ENERGY CODE (PART 6, TITLE 24 C.C.R.)
10. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSG), PART 11, TITLE 24 C.C.R.

SHEET INDEX

SHEET NUMBER	SHEET NAME
E001	ELECTRICAL LEGENDS & NOTES
E002	LUMINAIRE SCHEDULE
E003	SINGLE LINE DIAGRAM & PANEL SCHEDULES
E004	TITLE 24 COMPLIANCE FORMS - INDOOR
E005	TITLE 24 COMPLIANCE FORMS - OUTDOOR
E101	OVERALL SITE PLAN
E102	ENLARGED DEMOLITION SITE LIGHTING PLAN
E103	ENLARGED REMODEL SITE LIGHTING PLAN
E301	POWER DEMOLITION PLAN
E302	POWER REMODEL PLAN
E401	LIGHTING DEMOLITION PLAN
E402	LIGHTING REMODEL PLAN
E403	EGRESS PHOTOMETRIC PLAN
E404	ENLARGED SITE PHOTOMETRIC PLAN

POWER LEGEND AND SYMBOLS

SYMBOL	DESCRIPTION
A-1	SUBSCRIPT "A-1" REFERS TO PANEL DESIGNATION WITH CIRCUIT NUMBER. TYPICAL OF ALL RECEPTACLE OUTLETS.
	DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) MOUNTED +18" A.F.F. TO CENTEROF DEVICE U.O.N.
	DOUBLE DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) MOUNTED +18" A.F.F. TO CENTEROF DEVICE U.O.N.
	DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS, GFCI TYPE) MOUNTED + 18" A.F.F. TO CENTEROF DEVICE U.O.N.
	DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) WITH MOUNTING HEIGHT HORIZONTALLY ABOVE COUNTER TOP PER ARCHITECTURAL PLANS OR APPROVAL.
	DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS, GFCI TYPE) WITH MOUNTING HEIGHT HORIZONTALLY ABOVE COUNTER TOP PER ARCHITECTURAL PLANS OR APPROVAL.
	CA TITLE 24 COMPLIANT DUPLEX RECEPTACLE OUTLET, HALF-CONTROLLED, CONVENIENCE, WITH PERMANENT MARKING. (20 AMPS, 125 VOLTS) MOUNTED +18" A.F.F. TO CENTEROF DEVICE U.O.N.
	CA TITLE 24 COMPLIANT DOUBLE DUPLEX RECEPTACLE OUTLET, HALF-CONTROLLED, CONVENIENCE, WITH PERMANENT MARKING. (20 AMPS, 125 VOLTS) MOUNTED +18" A.F.F. TO CENTEROF DEVICE U.O.N.
WP	*WEATHERPROOF DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) MOUNTED +18" A.F.F. TO CENTEROF DEVICE U.O.N.*
	DUPLEX RECEPTACLE OUTLET, SINGLE SPLIT-CIRCUIT SWITCHED. (20 AMPS, 125 VOLTS) MOUNTED +18" A.F.F. TO CENTEROF DEVICE U.O.N.
	SURFACE MOUNTED DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) MOUNTED +18" A.F.F. TO CENTEROF DEVICE U.O.N.
	RECESSED CEILING MOUNTED DUPLEX RECEPTACLE OUTLET, CONVENIENCE. (20 AMPS, 125 VOLTS) U.O.N.
J	ABOVE CEILING, CONCEALED, JUNCTION BOX, WITH COVER, PER NATIONAL ELECTRICAL CODE (NEC) TABLE 370-b(a), 4" SQUARE DEEP, WITH PLASTER RING
J	RECESSED WALL MOUNTED, JUNCTION BOX, WITH COVER, PER NATIONAL ELECTRICAL CODE (NEC) TABLE 314.16(A)/(B), 4" SQUARE DEEP, WITH PLASTER RING
	DUPLEX RECEPTACLE FLUSH IN FLOOR, WATERTIGHT JUNCTION BOX, (HINGED BRASS COVER: 20 AMP, 120 VOLT, 2-POLE, 3-WIRE) U.O.N.
	DOUBLE DUPLEX RECEPTACLE, FLUSH IN FLOOR, WATERTIGHT JUNCTION BOX (20 AMP, 120 VOLT, 2-POLE, 3-WIRE) U.O.N.
J	JUNCTION BOX, FLUSH IN FLOOR, WATERTIGHT (HINGED BRASS COVER: 20 AMP, 120 VOLT, 2-POLE, 3-WIRE) U.O.N.
	FLOOR BOX NOTE WHERE INDICATED IN AN EXISTING SLAB, PROVIDE SAWCUTTING OF SLAB AS REQUIRED AND EXTEND CONDUIT AND WIRING TO JUNCTION BOX IN NEAREST ACCESSIBLE WALL. DO NOT SAWCUT THROUGH POST TENSION SLABS.
L5-30 R	SPECIALTY OUTLET. VERIFY NEMA CONFIGURATION AS NOTED ON PLANS.
	BRANCH PANELBOARD, WALL MOUNTED, SEE PLANS AND SCHEDULE. (SURFACE MOUNTED)
OR	BRANCH PANELBOARD, WALL MOUNTED, SEE PLANS AND SCHEDULE. (RECESSED MOUNTED)
	MAIN SWITCHBOARD, POWER OR LIGHT, FLOOR STANDING ENCLOSURE, (SEE SINGLE LINE DIAGRAM AND LOAD SUMMARY)
F 100AS	DISCONNECT SWITCH H.P. RATED 600 VOLTS RATED. "F" INDICATES FUSE TYPE. FUSES PER APPROVED MANUFACTURERS SHOP DRAWINGS.
#2	MAGNETIC MOTOR STARTER H.P. RATED (NUMBERS INDICATE NEMA SIZE)
+96" OR +7'-6" AFF	MOUNTING HEIGHT FROM FINISHED FLOOR TO BOTTOM LINE OF OUTLET OR EQUIPMENT . FOR LIGHT FIXTURES, IT IS TO BOTTOM OF FIXTURE.
	CONDUIT STUBBED AND CAPPED, SIZE AND QUANTITIES PER PLANS.
	CONDUIT CONCEALED IN OR UNDER FLOOR, 3/4" UON, COORDINATE WITH G.C.: OR, BURIAL CONDUIT UNDERGROUND. REFER TO PLANS, DETAILS AND SPECIFICATIONS.
DETAIL No. / SHEET No.	DETAIL REFERENCE
EQUIPMENT / ID No.	EQUIPMENT REFERENCE
PR	ELECTRICAL UTILITY PRIMARY
SC	ELECTRICAL UTILITY SECONDARY
T	UTILITY TELEPHONE
OH	TEMPORARY OVERHEAD CABLING
E	EXISTING CONDUIT AND CONDUCTORS
A-1,3	HOMERUN TO CIRCUITS #1 AND #3 IN PANEL "A". REFER TO PANEL SCHEDULE FOR CONDUIT AND CONDUCTOR SIZES. QTY AS REQUIRED.
	GROUND WELL
	EXISTING (DASH INDICATES) ELECTRICAL EQUIPMENT
	TELEPHONE BACKBOARD 2'X4'X3/4" PLYWOOD. PROVIDE 2" CONDUIT TO TELEPHONE POC.
	MOLDED CASE CIRCUIT BREAKER
	SWITCH AND FUSE ASSEMBLY
	UTILITY COMPANY PULL SECTION LUGS
	GROUNDING CONNECTION TO MAIN BUILDING GROUND SYSTEM U.O.N.
N G	GROUNDING CONNECTION AT SWITCHGEAR/DISTRIBUTION BOARD WITH NEUTRAL BONDING.
M	IN-LINE UTILITY COMPANY METER
M	UTILITY METER WITH CURRENT TRANSFORMERS (CT'S) METER
SS	SOLID STATE DEVICE CONNECTED TO THE POWER DISTRIBUTION SYSTEM
GFP	GROUND FAULT PROTECTION DEVICE CONNECTED TO THE POWER DISTRIBUTION SYSTEM
SPD	SURGE PROTECTION DEVICE
T OR	TRANSFORMER WITH SECONDARY GROUND. REFER TO SINGLE LINE DIAGRAM FOR KVA RATING AND GROUNDING REQUIREMENTS.
G	ON-SITE GENERATOR SET
	STAINLESS STEEL SURFACE MOUNTED WIREMOLD MOUNTED AT 48" A.F.F. U.O.N. IF POWER AND DATA ARE SHOWN, PROVIDE WITH DUAL CHANNEL RACEWAY. WIREMOLD 4000 SERIES.
200-D	CONDUIT WIRING DESCRIPTION PER FEEDER SCHEDULE ON OTHER PLAN
PB	CONCRETE ELECTRICAL PULLBOX WITH LID APPROPRIATE FOR INSTALLATION LOCATION. LID SHALL BE LABELED "ELECTRICAL" OR "COMM" ACCORDING TO USE.
	SMOKE FIRE DAMPER
DD	DUCT MOUNTED SMOKE DETECTOR.
T	THERMOSTAT SUPPLIED BY MECHANICAL CONTRACTOR, ELECTRICAL CONTRACTOR SHALL STUB 3/4" C.O. 6" ABOVE CEILING SPACE, PROVIDE BUSHING AND PULL WIRE. IF INSTALLED IN AREA WITH EXPOSED STRUCTURE ABOVE OR HARDLID CEILING, PROVIDE 3/4" C.O. BACK TO ASSOCIATED HVAC UNIT. REFER TO MECHANICAL DETAILS FOR T-STAT MOUNTING HEIGHT REQUIREMENTS. VERIFY LOCATIONS WITH HVAC CONTRACTOR PRIOR TO ROUGH IN.
CO	CARBON MONOXIDE SENSOR SUPPLIED BY MECHANICAL CONTRACTOR. ELECTRCIAL CONTRACTOR SHALL PROVIDE 3/4" GALVANIZED RIGID COUDUIT WITH PULL STRING BACK TO HEAD END CARBON MONOXIDE PANEL. REFER TO MECHANICAL DRAWINGS FOR EXACT EQUIPMENT LOCATIONS AND WIRING DETAILS.

HOLT ARCHITECTURE

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CONSULTANT:

REGISTERED PROFESSIONAL ENGINEER BRADEN KEMP No. 22839 SIGNED:09/17/2025 ELECTRICAL STATE OF CALIFORNIA

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STAMPS:

REVIEWED FOR CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:10:04 PM

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

ELECTRICAL LEGENDS & NOTES

SHEET NO.:

E001

25-003

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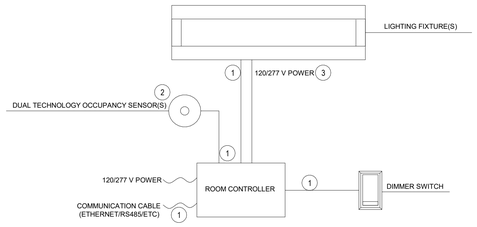
SEQUENCE OF OPERATIONS					
ZONE	DELAY TO OFF (MIN)	ON/OFF METHOD	TECHNOLOGY	DAYLIGHTING	NOTES
SHOWCASE	5	AUTO ON/AUTO OFF	DUAL	No	OCCUPANCY SENSORS TO BE PROGRAMMED WITH UP TO 2-HR DELAY
OFFICE / PRODUCTION	10	AUTO ON/AUTO OFF	DUAL	No	OCCUPANCY SENSORS TO BE PROGRAMMED WITH UP TO 2-HR DELAY
OFFICE / POST EDITING	10	AUTO ON/AUTO OFF	DUAL	No	OCCUPANCY SENSORS TO BE PROGRAMMED WITH UP TO 2-HR DELAY
MEDIA ROOM	15	AUTO ON/AUTO OFF	DUAL	Yes	OCCUPANCY SENSORS TO BE PROGRAMMED WITH UP TO 2-HR DELAY



GENERAL NOTES:
1. INSTALL ALL LIGHTING PER MANUFACTURER'S REQUIREMENTS
2. TUNE OCCUPANCY SENSORS FOR NOISE, DO NOT LOCATE NEAR AIR VENTS

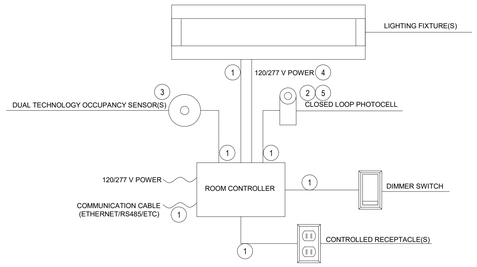
CONSTRUCTION NOTES:

1. LOW VOLTAGE CABLING SHALL BE PER MANUFACTURER'S REQUIREMENTS
2. OCCUPANCY SENSOR TO BE DUAL TECHNOLOGY
3. POWER ROUTED TO FIXTURE(S) THROUGH ROOM CONTROLLER WHERE REQUIRED BY MANUFACTURER

SEQUENCE OF OPERATION - OPEN OFFICE / CONFERENCE ROOM

OCCUPANCY - AUTO ON 0% TO 100%, AUTO OFF W/ 15 MINUTE DELAY
PHOTOCELL - DIM FIXTURES TO MAINTAIN 35 FC ON WORK SURFACE

TYPICAL LIGHTING CONTROLS (OFFICE) | 1



GENERAL NOTES:
1. INSTALL ALL LIGHTING PER MANUFACTURER'S REQUIREMENTS
2. TUNE OCCUPANCY SENSORS FOR NOISE, DO NOT LOCATE NEAR AIR VENTS

CONSTRUCTION NOTES:

1. LOW VOLTAGE CABLING SHALL BE PER MANUFACTURER'S REQUIREMENTS
2. OPEN LOOP SENSOR(S) ACCEPTABLE, CONTRACTOR TO PLACE SENSOR PER MANUFACTURER'S REQUIREMENTS
3. OCCUPANCY SENSOR TO BE DUAL TECHNOLOGY
4. POWER ROUTED TO FIXTURE(S) THROUGH ROOM CONTROLLER WHERE REQUIRED BY MANUFACTURER
5. PROVIDE PHOTOCELLS IN ALL DAYLIT ZONES WITH TOTAL WATTAGE OF FIXTURES IN ZONE EXCEEDS 120 WATTS.

SEQUENCE OF OPERATION - OPEN OFFICE / CONFERENCE ROOM

OCCUPANCY - AUTO ON 0% TO 100%, AUTO OFF W/ 15 MINUTE DELAY
PHOTOCELL - DIM FIXTURES TO MAINTAIN 35 FC ON WORK SURFACE

TYPICAL LIGHTING CONTROLS (MEDIA ROOM) | 2

LUMINAIRE SCHEDULE

TYPE	QTY.	VOLTS	WATTAGE	LAMPS	MOUNTING	FIXTURE DESCRIPTION	MFR.	CATALOG #	NOTES	SYMBOL
EX1	4	277 V	5 W	LED (WITH UNIT)	WALL	SURFACE MOUNTED THERMOPLASTIC EMERGENCY EXIT SIGN FIXTURE WITH 90-MIN. BATTERY BACKUP	LSI	ELX1-S-G-WH		
EX2	1	277 V	5 W	LED (WITH UNIT)	CEILING	SURFACE MOUNTED THERMOPLASTIC EMERGENCY EXIT SIGN FIXTURE WITH 90-MIN. BATTERY BACKUP	LSI	ELX1-S-G-WH 120/277		
F1	1	277 V	165 W	LED 2,077LM/FT 4000K	PENDANT	11'-0" LINEAR PENDANT LED FIXTURE WITH 0-10V DIMMING	LITHONIA LIGHTING	S2PID-LLP-11FT-MSL8-90CRI-40K-1500LMF-I90CRI-I40K-I600LMF-BW-SCT-DARK-FLL-MVOLT-*-ZT-F2/144A-RDCY-**-***	* = ARCHITECT SHALL SPECIFY FINISH ** = ARCHITECT SHALL SPECIFY CANOPY FORM *** = ARCHITECT SHALL SPECIFY CANOPY COLOR	
F2	1	277 V	420 W	LED 2,077LM/FT 4000K	PENDANT	27'-5" LINEAR PENDANT LED FIXTURE WITH 0-10V DIMMING	LITHONIA LIGHTING	S2PID-LLP-27FT5IN-MSL8-90CRI-40K-1500LMF-I90CRI-I40K-I600LMF-BW-SCT-DARK-FLL-MVOLT-*-ZT-F2/144A-RDCY-**-***	* = ARCHITECT SHALL SPECIFY CONE COLOR ** = ARCHITECT SHALL SPECIFY TRIM COLOR 90 MINUTE EMERGENCY BATTERY BACK UP	
F3	1	277 V	420 W	LED 2,077LM/FT 4000K	PENDANT	27'-9" LINEAR PENDANT LED FIXTURE WITH 0-10V DIMMING	LITHONIA LIGHTING	S2PID-LLP-27FT3IN-MSL8-90CRI-40K-1500LMF-I90CRI-I40K-I600LMF-BW-SCT-DARK-FLL-MVOLT-*-ZT-F2/144A-RDCY-**-***	* = ARCHITECT SHALL SPECIFY FINISH ** = ARCHITECT SHALL SPECIFY CANOPY FORM *** = ARCHITECT SHALL SPECIFY CANOPY COLOR	
F4	4	120 V	38 W	LED 4000K 5429 LM	RECESSED	2'X4' RECESSED LED TROFFER WITH 0-10V DIMMING DRIVER.	LITHONIA LIGHTING	EPANL-2X4-4000LM-80CRI-35K-MIN10-ZT-MVOLT	PROVIDED WITH 1100LM BATTERY PACK.	
F5	5	277 V	27 W	LED 4,144LM 4000K	RECESSED	2'X2' SURFACE LED FIXTURE WITH AND 0-10V DIMMING	LITHONIA LIGHTING	2BLT2-33L-ADP-EZ1-LP840		
F6	25	277 V	13 W	LED 1,200LM 4000K	RECESSED	3" RECESSED LED DOWNLIGHT WITH 0-10V DIMMING DRIVER	LUMENTURE	DL75-40H-40-*-**-R-U-300-C		
F7	3	277 V	20 W	LED 4000K 2774 LM	PENDANT	PENDANT MOUNTED DOWNLIGHT WITH 0-10V DIMMING DRIVER	GOTHAM	IV06CYL-D-60LM-40K-80CRI-MIN10-MVOLT	NOTES	
F9	1	0 V	0 W	N/A	N/A	WALL MOUNTED LINEAR FIXTURE	LUMINII	MK-24"-72VHO-30K-C-CB-*-WB		
~~F9~~	~~25~~	~~120 V~~	~~12 W~~	~~LED 4000K 324LM/FT~~	~~SURFACE~~	~~WALL MOUNTED LINEAR FIXTURE~~	~~LUMINII~~	~~MK-24"-72VHO-30K-C-CB-*-WB~~	~~* = ARCHITECT TO SPECIFY FINISH~~	
F10	27	120 V	18 W	LED 4000K 324LM/FT	SURFACE	WALL MOUNTED LINEAR FIXTURE	LUMINII	MK-36"-72VHO-30K-C-CB-*-WB	* = ARCHITECT TO SPECIFY FINISH	
F11	1	277 V	180 W	LED 2,077LM/FT 4000K	PENDANT	12' LINEAR PENDANT LED FIXTURE WITH 0-10V DIMMING	LITHONIA LIGHTING	S2PID-LLP-8FT11IN-MSL8-90CRI-40K-1500LMF-I90CRI-I40K-I600LMF-BW-SCT-DARK-FLL-MVOLT-*-ZT-F2/144A-RDCY-**-***	* = ARCHITECT SHALL SPECIFY FINISH ** = ARCHITECT SHALL SPECIFY CANOPY FORM *** = ARCHITECT SHALL SPECIFY CANOPY COLOR	
F12	1	120 V	3 W	LED (WITH UNIT)	WALL	LED RECORDING LIGHT WITH RED LED	MARKERTEK	BPL-R-R-W		
~~F13~~	~~3~~	~~120 V~~	~~154 W~~	~~LED 10,092LM 2800K TO 8000K~~	~~SURFACE~~	~~LED BROADCASTING LIGHTING WITH PULSE WIDTH MODULATION~~	~~CHAUVET PROFESSIONAL~~	~~ONAIR PANEL-1P~~	~~CYC60NC~~	
S1	13	277 V	19 W	LED 703LM	SURFACE	36" OVERALL HEIGHT LED BOLLARD	KIM LIGHTING	LED-15K-*-UN-**-36"H	* COLOR TEMPERATURE TO MATCH EXISTING CONDITIONS, ** = FINISH AS SELECTED BY ARCHITECT.	

LUMINAIRE NOTES

1. EQUALS SHALL BE CONSIDERED UPON SUBMITTAL REVIEW AND APPROVAL. PLEASE NOTE THAT IF AN ALTERNATE IS CONSIDERED:
   a. THE CONTRACTOR IS COMPLETELY AND SOLELY RESPONSIBLE FOR ALL ASPECTS OF THE SUBSTITUTION INCLUDING UPDATING CONSTRUCTION DOCUMENTS, OBTAINING APPROVALS AND PERMITS FROM LOCAL AUTHORITY, AND COORDINATING WITH ALL TRADES TO ENSURE CHANGES TO AFFECTED BUILDING SYSTEM ARE ACCOUNTED FOR AND ACCEPTABLE TO THE ENGINEERING TEAM. CONTRACTOR SHALL ENSURE SUBSTITUTED EQUIPMENT MEETS OR EXCEEDS DESIGN INTENT REGARDING RATINGS, PERFORMANCE, DIMENSIONAL CLEARANCES, PHYSICAL DIMENSIONS (MAX/MIN), WEIGHT LIMITATIONS, AND OTHER ASPECTS, PROVING SUBSTITUTION IS SUITABLE TO THE APPLICATION. ENGINEERS WILL REVIEW THE RATING AND PERFORMANCE OF SUBSTITUTED EQUIPMENT ONLY AND WILL NOT ASSUME RESPONSIBILITY FOR SUBSTITUTION AT ANY LEVEL.
   b. IF CONTRACTOR CANNOT MAKE SUBSTITUTED EQUIPMENT WORK IN THIS PROJECT, CONTRACTOR SHALL REVERT TO REQUIREMENTS OF PERMITTED CONSTRUCTION DOCUMENTS AT THEIR EXPENSE.
   c. IT IS UNDERSTOOD BY ALL PARTIES THAT ANY SUBSTITUTIONS OF SPECIFIED PRODUCTS ARE DONE FOR THE PURPOSE OF COST SAVINGS TO THE OWNER. THEREFORE, ANY MATERIAL SUBSTITUTION OR DEVIATIONS PROPOSED BY THE CONTRACTOR SHALL BE INCLUDED WITH THE INITIAL BID AND SHALL SHOW A LINE ITEMS CREDIT TO THE OWNER FOR EACH SUBSTITUTION IN LIEU OF SPECIFIED PRODUCTS.
2. THE FIXTURE SCHEDULE INDICATES GENERAL DESCRIPTION OF LIGHTING FIXTURES AND MANUFACTURERS CATALOG NUMBERS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE CORRECT CEILING CONFIGURATION AND PROVIDE THE FIXTURES WITH ALL NECESSARY TRIMS AND MOUNTING HARDWARE SO THAT BOTH THE CEILING SYSTEM AND THE FIXTURE CONSTRUCTION MATCHES. PROVIDE SEISMIC HANGERS AS REQUIRED.
3. IT SHALL BE CONTRACTORS RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF ALL LIGHTING FIXTURES AND TYPE OF CEILING WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO ANY WORK. SEE ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO ANY WORK. SEE ARCHITECTURAL ELEVATION DRAWING FOR MOUNTING HEIGHTS OF WALL MOUNTED FIXTURES.
4. A JUNCTION BOX MUST BE PROVIDED WITH ALL EXIT LIGHTS CONNECTED TO MORE THAN ONE SET OF CONDUCTORS UNLESS THE EXIT LIGHT FIXTURE IS FURNISHED WITH AN APPROVED OUTLET BOX FOR THROUGH WIRING.
5. A COMPLETE TITLE 24 COMPLIANT LIGHTING CONTROL SYSTEM SHALL BE PROVIDED TO CONTROL ALL INTERIOR AND EXTERIOR LIGHTING SYSTEMS. REFER TO LIGHTING CONTROL DIAGRAMS, SCHEDULES AND DETAILS.
6. BATTERY PACK EMERGENCY TEST SWITCHES SHALL BE INTEGRAL TO LIGHT FIXTURE. COORDINATION OF SWITCH LOCATION IS REQUIRED WITH DESIGN TEAM IF INTEGRAL INSTALLATION IS NOT POSSIBLE.
7. PROVIDE ALL REQUIRED MOUNTING HARDWARE ANCHORAGE AND SUPPORTS TO INSTALL LIGHTING FIXTURES.
8. PROVIDE SWIVEL BASE AND STEMS. LENGTHS AS REQUIRED TO MOUNT THE PENDANT MOUNTED FIXTURES. THE INSTALLATION SHALL COMPLY WITH TITLE 24 SEISMIC AND APPLICABLE UBC REQUIREMENTS.
9. THE CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERABLE LIGHTING SYSTEM AS PART OF THIS BUILDING CONTRACT.
10. SUSPENSION SYSTEM FOR LIGHT FIXTURES WHICH HAVE PASSED SHAKING TABLE TESTS APPROVED BY THE OFFICE OF THE STATE OF ARCHITECT, OR WHICH, AS INSTALLED, ARE FREE TO SWING A MINIMUM OF 45' FROM THE VERTICAL IN ALL DIRECTIONS WITHOUT CONTACTING OBSTRUCTIONS. SHALL BE ASSUMED TO COMPLY WITH THE LATERAL FORCE REQUIREMENTS FOR SECTION 2305, PART 2, TITLE 24, CCR. UNLESS OF THE CABLE TYPE FREE SWING SUSPENSION SYSTEM SHALL HAVE A SAFETY WIRE OR CABLE ATTACHED TO THE FIXTURE AND STRUCTURE AT EACH SUPPORT CAPABLE OF SUPPORTING FOUR TIMES THE SUPPORTED LOAD.
11. FOR SUSPENDED AND SURFACE MOUNTED LIGHT FIXTURES, THE PRODUCT OF ICP NEED NOT EXCEED 12 FOR ANY VALUE OF 1.
12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE FIXTURE BALLAST OR DRIVER VOLTAGE MATCHES THE CIRCUIT VOLTAGE SUPPLYING FIXTURE PRIOR TO ORDERING.
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY BALLAST/DRIVER DIMMING CONFIGURATION IS COMPATIBLE WITH CONTROLS BEING PROVIDED PRIOR TO ORDERING FIXTURES. EX. 2 WIRE, 3 WIRE, 4 WIRE, 0-10V, CAT 5, ETC.
14. LED LIGHT FIXTURES SHALL BE IN ACCORDANCE WITH IES, NFPA, UL, AS SHOWN ON THE DRAWINGS, AND AS SPECIFIED.
15. LED LIGHT FIXTURES SHALL BE REDUCTION OF HAZARDOUS SUBSTANCES (ROHS)-COMPLIANT.
16. LED DRIVERS SHALL INCLUDE THE FOLLOWING FEATURES UNLESS OTHERWISE INDICATED:
    - MINIMUM EFFICIENCY: 85% AT FULL LOAD.
    - MINIMUM OPERATING AMBIENT TEMPERATURE: -20 DEG C. (-4 DEG F.)
    - INPUT VOLTAGE: 120 - 277V (±10%) AT 60 HZ., UNLESS OTHERWISE INDICATED.
    - INTEGRAL SHORT CIRCUIT, OPEN CIRCUIT, AND OVERLOAD PROTECTION.
    - POWER FACTOR: >=0.95.
    - TOTAL HARMONIC DISTORTION: <=20%.
    - COMPLY WITH FCC 47 CFR PART 15.
17. LED MODULES SHALL INCLUDE THE FOLLOWING FEATURES UNLESS OTHERWISE INDICATED:
    - COMPLY WITH IES LM-79 AND LM-80 REQUIREMENTS.
    - MINIMUM CRI 80 AND COLOR TEMPERATURE 4000K UNLESS OTHERWISE SPECIFIED IN LUMINAIRE SCHEDULE.
    - MINIMUM RATED LIFE: 50,000 HOURS PER IES L70.
    - LIGHT OUTPUT LUMENS AS INDICATED IN THE LUMINAIRE SCHEDULE.
18. LED DOWNLIGHTS:
    - HOUSING, LED DRIVER, AND LED MODULE SHALL BE PRODUCTS OF THE SAME MANUFACTURER.
19. LED TROFFERS:
    - LED DRIVERS, MODULES, AND REFLECTOR SHALL BE ACCESSIBLE, SERVICEABLE, AND REPLACEABLE FROM BELOW THE CEILING.
    - HOUSING, LED DRIVER, AND LED MODULE SHALL BE PRODUCTS OF THE SAME MANUFACTURER.
20. ALL REMOTE DRIVERS SHALL BE CONCEALED ABOVE CEILING OR PLACED IN A REMOTE LOCATION WHEN ATTIC SPACE IS NOT AVAILABLE.

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CONSULTANT:
REGISTERED PROFESSIONAL ENGINEER KAREN KENNEDY No. 22839 SIGNED:09/17/2025 ELECTRICAL STATE OF CALIFORNIA
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DESIGN WEST ENGINEERING

STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:10:04 PM

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DA223-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC Revisions
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

LUMINAIRE SCHEDULE

SHEET NO.:

E002

PRINTED: 9/17/2025 5:44:22 PM
R:\Holt Architects Dropbox\Projects\ONT\ONT.010 OPD Master Plan\25-003 OPD Media Room_MEP_Control_R22.rvt
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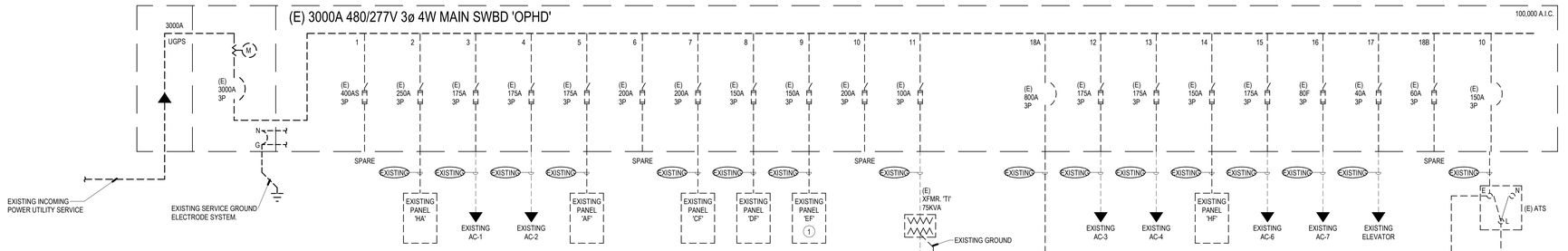
25-003



LOAD SUMMARY

EXISTING DISTRIBUTION BOARD 'PB '	LOAD VA	LOAD AMPS
1 EXISTING LOAD* (KW)	63672	177
2 +25% EXIST LOAD PER NEC 220.87	15918	44
3 NEW PANEL 'SF2 ' NEW LOAD	4820	65
TOTAL LOAD INCLUDING NEC DEMAND FACTORS: 208Y/120V 3PH 4W	100328	330
EXISTING DISTRIBUTION BOARD RATED:		600

*EXISTING LOAD BASED ON PEAK DEMAND FROM 1 YR. UTILITY METERING HISTORY

600V FEEDER SCHEDULE 3ø 4W

LABEL	TYPE	SETS	PHASE	NEUTRAL	GROUND	CONDUIT
225-Y	225A-4W	1	3 # 250 KCM	1 # 250 KCM	1 # 4	2-1/2"

NOTE:
ALL CONDUCTOR SIZES ARE BASED ON TYPE THHN COPPER CONDUCTOR UNLESS OTHERWISE NOTED. THE AMPACITY OF CONDUCTORS SHALL BE BASED ON THE TERMINALS NOT TO EXCEED 60°C FOR CONDUCTOR SIZE #14 THROUGH #1 AWG OR 75°C FOR CONDUCTOR SIZE OVER #1 AWG AS PER NEC 110.14(C).

PANEL EF

MOUNTING: SURFACE
FED FROM:
NEMA: 1
AIC RATING: EXISTING
(EXISTING)
LOCATION: RM 2401
VOLTAGE: 480Y/277V 3PH 4W
BUS: 225 A
MAIN: 125
FEEDER: EXISTING

NOTE	DESCRIPTION	TYPE	POLES	AMP	AWG /PH	DIS T	V.D. %	C.		A	B	C		C.	V.D. %	DIS T	AWG /PH	AMP	POLES	TYPE	DESCRIPTION	NOTE
1	OFFICE LIGHTING	--	1	20 A	--	--	0	--	1	3848 1680			2	--	0	--	--	20 A	1	--	MULTI-PURP. RM. LIGHTS	1
2	LIGHTS RM. 1113 & 1114	L	1	20 A	#12	234'	0.17	3/4"	3		143 1405		4	3/4"	1.57	214'	#12	20 A	1	L	LIGHTS MEDIA ROOM 1112	2
1	LOBBY, EXIT PATHWAY	--	1	20 A	--	--	0	--	5		4266 2064		6	--	0	--	--	20 A	1	--	OFFICE/STORAGE LIGHTING	1
1	OFFICE LIGHTING	--	1	20 A	--	--	0	--	7	3488 1680			8	--	0	--	--	20 A	1	--	OFFICE/WORK ROOM	1
1	OFFICE LIGHTING	--	1	20 A	--	--	0	--	9		3168 1008		10	--	0	--	--	20 A	1	--	ID WORKROOM LIGHTING	1
1	OFFICE LIGHTING	--	1	20 A	--	--	0	--	11			3136 3248	12	--	0	--	--	20 A	1	--	OFFICE/WORK ROOM LIGHTING	1
1	SPARE	--	1	20 A	--	--	0	--	13	2450 1104			14	--	0	--	--	20 A	1	--	FORENSICS LOAD/UNLOAD	1
1	OFFICE LIGHTING	--	1	20 A	--	--	0	--	15		2240 1750		16	--	0	--	--	20 A	1	--	SHELL SPACE 2901 LIGHTING	1
1	EXIT PATHWAY 1701	--	1	20 A	--	--	0	--	17			1680 1270	18	--	0	--	--	20 A	1	--	ELECTR RM 2813	1
1	OFFICE LIGHTING	--	1	20 A	--	--	0	--	19	1232 1270			20	--	0	--	--	20 A	1	--	SPARE	1
1	LIGHTING CURRENT RECORDS	--	1	20 A	--	--	0	--	21		1736 1270		22									
1	LIGHTING SHELL SPACE 2501	--	1	20 A	--	--	0	--	23			2064 1375	24	--	0	--	--	20 A	3	--	P-1 (ROOF	1
1	NORTH EAST SOFFIT LIGHTING	--	1	20 A	--	--	0	--	25	2688 1050			26									
1	RESTROOMS	--	1	20 A	--	--	0	--	27		2208 665		28	--	0	--	--	20 A	1	--	EXTERIOR WALKWAY FEATURES	1
1	EXIT PATHWAY	--	1	20 A	--	--	0	--	29			2688 1055	30	3/4"	1.93	347'	#12	20 A	1	L	EXTERIOR BOLLARDS	2
1	OFFICE LIGHTS	--	1	20 A	--	--	0	--	31	0 0			32	--	0	--	--	20 A	1	--	TREE & MONUMENT LIGHTS	1
1	CHEFS OFFICE LIGHTING	--	1	20 A	--	--	0	--	33		0 0		34	--	0	--	--	20 A	1	--	TREE & MONUMENT LIGHTS	1
1	WOMEN'S LOCKER/FITNESS	--	1	20 A	--	--	0	--	35			0 0	36	--	0	--	--	20 A	1	--	SPARE	1
1	SPARE	--	1	20 A	--	--	0	--	37	0 0			38	--	0	--	--	20 A	1	--	BUSSED SPACE	1
1	BUSSED SPACE	--	1	20 A	--	--	0	--	39		0 0		40	--	0	--	--	20 A	1	--	BUSSED SPACE	1
1	BUSSED SPACE	--	1	20 A	--	--	0	--	41			0 0	42	--	0	--	--	20 A	1	--	BUSSED SPACE	1
										SUBTOTALS 20490 VA		15593 VA						22846 VA				

DEMAND FACTORS:	CONNECTED	DEMAND	DEMAND	DEMAND
LOAD TYPE	VA	FACTOR	VA	AMPS
(L) LIGHTING	1103 VA	1.25	1378 VA	2 A
(R) RECEPTACLES		NEC 220.44		
(M) MOTOR		1.25		
LARGEST MOTOR		0.25		
(C) CONTINOUS		1.25		
(N) NON-CONTINOUS		1.00		
(K) KITCHEN (NEC 220.56)		0.65		
(S) SPECIAL DEMAND		1.00		
EXISTING LOAD	56326 VA	NEC 220.87	56326 VA	68 A
TOTALS	57429 VA		57704 VA	
TOTAL AMPS AT 480Y/277V 3PH 4W WITH LCL:				2 A

SUBTOTAL	PHASE
20490 VA	A
15593 VA	B
22846 VA	C
58928 VA	TOTAL
71 A	AMPS

NOTES:
1. EXISTING LOAD
2. EXISTING BREAKER, NEW LOAD

PANEL SF

MOUNTING: SURFACE
FED FROM: DISTRIBUTION 'PB'
NEMA: 1
AIC RATING: EXISTING
(EXISTING)
LOCATION: ELEC. ROOM 1911
VOLTAGE: 208Y/120V 3PH 4W
BUS: 225 A
MAIN: M.L.O
FEEDER: EXISTING

NOTE	DESCRIPTION	TYPE	POLES	AMP	AWG /PH	DIS T	V.D. %	C.		A	B	C		C.	V.D. %	DIS T	AWG /PH	AMP	POLES	TYPE	DESCRIPTION	NOTE
1	Lighting MEDIA ROOM 1112		1	20 A	#12	80'	0.05	3/4"	1	23 0			2	--	0	--	--	20 A	1	--	(E) ELEV. PIT LIGHTING	1
3									3		0		4	--	0	--	--	20 A	1	--	SPARE	3
1	EXISTING LIGHTING	--	1	20 A	--	--	0	--	5			0 0	6	--	0	--	--	20 A	1	--	(E) ELEVATOR CAB LIGHTING	1
1	(E) RECEPTACLES	--	1	20 A	--	--	0	--	7	0 0			8	--	0	--	--	20 A	1	--	SPARE	3
1	(E) RECEPTACLES	--	1	20 A	--	--	0	--	9		0 0		10	--	0	--	--	20 A	1	--	(E) RECEPTACLES	1
1	(E) VAV	--	1	20 A	--	--	0	--	11			0 0	12	--	0	--	--	20 A	1	--	(E) RECEPTACLES	1
2	SPARE	--	1	20 A	--	--	0	--	13	0 0			14									
2	SPARE	--	1	20 A	--	--	0	--	15		0 0		16	--	0	--	--	15 A	3	--	(E) AC	1
2	SPARE	--	1	20 A	--	--	0	--	17			0 0	18									
1	(E) AC	--	2	30 A	--	--	0	--	19	0 0			20	--	0	--	--	20 A	1	--	(E) RECEPTACLES	1
									21		0 0		22	--	0	--	--	20 A	1	--	(E) RECEPTACLES	1
1	(E) RECEPTACLES	--	1	20 A	--	--	0	--	23			0 0	24	--	0	--	--	20 A	1	--	(E) RECEPTACLES	1
									25	0 0			26	--	0	--	--	20 A	1	--	(E) IN-USE ROOM INDICATOR	1
1	(E) AC	--	3	50 A	--	--	0	--	27		0 0		28	--	0	--	--	20 A	1	--	(E) RECEPTACLES	1
									29			0 0	30	--	0	--	--	20 A	1	--	(E) RECEPTACLES	1
1	(E) RECEPTACLES	--	1	20 A	--	--	0	--	31	0 0			32	--	0	--	--	20 A	1	--	(E) RECEPTACLES	1
1	(E) PRINTER - SERGEANTS OFFICE	--	1	20 A	--	--	0	--	33		0 0		34	--	0	--	--	20 A	1	--	(E) RECEPTACLES	1
1	(E) MONITOR - SERGEANTS OFFICE	--	1	20 A	--	--	0	--	35			0 0	36	--	0	--	--	20 A	1	--	(E) RECEPTACLES	1
3	SPARE	--	1	20 A	--	--	0	--	37	0 0			38	--	0	--	--	20 A	1	--	(E) RECEPTACLES	1
3	SPARE	--	1	20 A	--	--	0	--	39		0 0		40	--	0	--	--	20 A	1	--	SPARE	3
3	SPARE	--	1	20 A	--	--	0	--	41			0 0	42	--	0	--	--	20 A	1	--	SPARE	3
										SUBTOTALS 23 VA		0 VA						0 VA				

DEMAND FACTORS:	CONNECTED	DEMAND	DEMAND	DEMAND
LOAD TYPE	VA	FACTOR	VA	AMPS
(L) LIGHTING		1.25		
(R) RECEPTACLES		NEC 220.44		
(M) MOTOR		1.25		
LARGEST MOTOR		0.25		
(C) CONTINOUS		1.25		
(N) NON-CONTINOUS		1.00		
(K) KITCHEN (NEC 220.56)		0.65		
(S) SPECIAL DEMAND		1.00		
EXISTING LOAD		NEC 220.87		
TOTALS	0 VA		0 VA	
TOTAL AMPS AT 208Y/120V 3PH 4W WITH LCL:				0 A

SUBTOTAL	PHASE
23 VA	A
0 VA	B
0 VA	C
23 VA	TOTAL
0 A	AMPS

NOTES:
1. EXISTING LOAD
2. EXISTING BREAKER, REMOVED LOAD, NOW SPARE
3. SPARE BREAKER

PANEL SF2

MOUNTING: SURFACE
FED FROM: DISTRIBUTION BOARD PB
NEMA: 1
AIC RATING: 10,000
(NEW)
LOCATION: ELECTRICAL ROOM 1911
VOLTAGE: 208Y/120V 3PH 4W
BUS: 225 A
MAIN: 225A
FEEDER: 225-Y

NOTE	DESCRIPTION	TYPE	POLES	AMP	AWG /PH	DIS T	V.D. %	C.		A	B	C		C.	V.D. %	DIS T	AWG /PH	AMP	POLES	TYPE	DESCRIPTION	NOTE
2	TV OFFICE / POST EDITING 1114	R	1	20 A	#12	30'	0.15	3/4"	1	180 920			2	3/4"	1.22	48'	#12	20 A	1		BROADCAST LIGHTING RM 1112	1
	REFRIGERATOR MEDIA 1112	C	1	20 A	#12	36'	0.54	3/4"	3		500 1920		4	3/4"	1.53	48'	#10	20 A	1	C	BACKLIT SIGN	1
1	POWER OFFICE / PRODUCTION...	R	1	20 A	#12	34'	0.52	3/4"	5			540 480	6	3/4"	0.97	73'	#12	20 A	1	N	MOTORIZED SHADES MEDIA RM...	1
1	POWER MEDIA ROOM 1112	R	1	20 A	#12	64'	1.93	3/4"	7	1080 720			8	3/4"	0.86	43'	#12	20 A	1	R	MEDIA ROOM TV MONITORS	1
1	POWER MEDIA ECROOM 1112	R	1	20 A	#12	56'	1.13	3/4"	9		720 1080		10	3/4"	1.11	37'	#12	20 A	1	R	POWER OFFICE / POST EDITING...	1
1	POWER OFFICE / PRODUCTION...	R	1	20 A	#12	36'	0.9	3/4"	11			900 1920	12	3/4"	1.21	23'	#12	20 A	1	R	CAMERA MEDIA ROOM 1112	1
1	ACCENT LIGHTING	L	1	20 A	#12	76'	0.58	3/4"	13	278 1920			14	3/4"	1.18	22'	#12	20 A	1	R	CAMERA MEDIA ROOM 1112	1
1	CAMERA MEDIA ROOM 1112	R	1	20 A	#12	28'	1.52	3/4"	15		1920 1920		16	3/4"	1.28	24'	#12	20 A	1	R	CAMERA MEDIA ROOM 1112	1
1	CAMERA MEDIA ROOM 1112	R	1	20 A	#12	29'	1.55	3/4"	17			1920 1920	18	3/4"	1.81	34'	#12	20 A	1	R	CAMERA MEDIA ROOM 1112	1
1	CAMERA MEDIA ROOM 1112	R	1	20 A	#12	24'	1.3	3/4"	19	1920 720			20	3/4"	0.72	36'	#12	20 A	1	R	CLOCK	1
1	CAMERA MEDIA ROOM 1112	R	1	20 A	#12	34'	1.84	3/4"	21		1920 180		22	3/4"	0.21	43'	#12	20 A	1	N	STAGE FLOOR RECEPT	1
1	WIRELESS PRESENTATION MEDI...	R	1	20 A	#12	40'	0.2	3/4"	23			180 1500	24	3/4"	0.5	18'	#12	20 A	2	R	L6-30 OFFICE / PRODUCTION 1113	1
1	DISPLAY RECEPT	R	1	20 A	#12	56'	0.56	3/4"	25	360 1500			26									
1	L5-20 OFFICE / PRODUCTION 1113	R	1	20 A	#12	17'	0.7	3/4"	27		1500 540		28	3/4"	1.38	92'	#12	20 A	1	R	RECEPTACLES SHOWCASE 1115	
1	LTG INDICATOR RM 1113	L	1	20 A	#12	17'	0.09	3/4"	29			200 720	30	3/4"	1.14	57'	#12	20 A	1	R	TV DISPLAY POWER	1
	DEKS RCPT. PRODUCTION 1113	R	1	20 A	#12	32'	0.65	3/4"	31	720			32									
									33				34									
									35				36									
									37				38									
									39				40									
									41				42									
										SUBTOTALS 10318 VA		12200 VA						10280 VA				

DEMAND FACTORS:	CONNECTED	DEMAND	DEMAND	DEMAND
LOAD TYPE	VA	FACTOR	VA	AMPS
(L) LIGHTING	200 VA	1.25	250 VA	1 A
(R) RECEPTACLES	27960 VA	NEC 220.44	18980 VA	53 A
(M) MOTOR		1.25		
LARGEST MOTOR		0.25		
(C) CONTINOUS	2420 VA	1.25	3025 VA	8 A
(N) NON-CONTINOUS	660 VA	1.00	660 VA	2 A
(K) KITCHEN (NEC 220.56)		0.65		
(S) SPECIAL DEMAND		1.00		
EXISTING LOAD		NEC 220.87		
TOTALS	31240 VA		22915 VA	
TOTAL AMPS AT 208Y/120V 3PH 4W WITH LCL:				64 A

SUBTOTAL	PHASE
10318 VA	A
12200 VA	B
10280 VA	C
32798 VA	TOTAL
91 A	AMPS

NOTES:
1. NEW CIRCUIT, NEW LOAD

GENERAL NOTES

1. REFER TO 'GENERAL NOTES' ON ELECTRICAL LEGENDS AND NOTES SHEET FOR WIRING METHODS, MATERIALS, AND REQUIREMENTS.
2. ALL NEW CIRCUIT BREAKERS, PANELBOARDS AND TRANSFORMERS SHALL BE OF THE SAME MANUFACTURER.
3. ALL NEW SWITCHBOARDS DISTRIBUTION SECTIONS SHALL BE EQUIPPED WITH FULL HEIGHT VERTICAL BUSSING TO ACCOMMODATE MAXIMUM UTILIZATION OF SPACE FOR DEVICES.
4. ALL PANELBOARDS SHALL BE FULLY RATED FOR THE AVAILABLE FAULT UNLESS OTHERWISE NOTED.
5. THE FEEDER LENGTHS SHOWN ON THESE DRAWINGS ARE FOR CALCULATION PURPOSES ONLY AND ARE NOT VALID FOR BIDDING.
6. CONTRACTOR SHALL UPDATE ALL MODIFIED PANEL DIRECTORIES OR CREATE A NEW TYPED DIRECTORY, IF ONE DOES NOT EXIST. IDENTIFYING EACH CIRCUIT AND INSTALLED CIRCUIT LOADS, MOUNTED IN GLASS OR PLASTIC INSIDE DOOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING DIRECTORIES TO INDICATE ALL NEW CIRCUITS AND ACTUAL AREA SERVED WHICH IS NOT NECESSARILY THE DESCRIPTION INDICATED ON THE BID DOCUMENTS. USE A COMPUTER OR TYPEWRITER TO CREATE DIRECTORY; HANDWRITTEN DIRECTORIES ARE NOT ACCEPTABLE.
7. ALL SWITCHBOARDS, SWITCHGEAR AND PANELBOARDS AT OTHER THAN DWELLING UNITS SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT PER CEC 110.24. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT-CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. THE CALCULATION SHALL BE DOCUMENTED AND MADE AVAILABLE TO THOSE AUTHORIZED TO DESIGN, INSTALL, INSPECT, MAINTAIN, OR OPERATE THE SYSTEM. WHEN MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR THAT AFFECT THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SERVICE, THE MAXIMUM AVAILABLE FAULT CURRENT SHALL BE VERIFIED OR RECALCULATED AS NECESSARY TO ENSURE THE SERVICE EQUIPMENT RATINGS ARE SUFFICIENT FOR THE MAXIMUM AVAILABLE FAULT CURRENT AT THE LINE TERMINALS OF THE EQUIPMENT. THE REQUIRED FIELD MARKING(S) IN 110.24(A) SHALL BE ADJUSTED TO REFLECT THE NEW LEVEL OF MAXIMUM AVAILABLE FAULT CURRENT.
8. EQUIPMENT DATA AND CONFIGURATIONS SHOWN ON THE SINGLE LINE DIAGRAM PROVIDE GENERAL EQUIPMENT INFORMATION. CONTRACTOR SHALL REVIEW ELECTRICAL PLANS AND SPECIFICATIONS TO VERIFY ALL EQUIPMENT ASSOCIATED DESIGN INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY COMPONENTS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION. ANY DISCREPANCIES BETWEEN DESCRIPTIONS, SPECIFICATIONS, AND EXISTING CONDITIONS ARE TO BE PRESENTED TO THE ENGINEER OF RECORD PRIOR TO COMPLETION OF THE BID PROCESS FOR CLARIFICATION. NO EQUIPMENT SHALL BE ORDERED UNTIL DISCREPANCIES ARE RESOLVED THROUGH A FORMAL RFI PROCESS.
9. GROUND ALL ELECTRICAL EQUIPMENT, BRANCH CIRCUITS, FEEDERS, PANEL AND DISTRIBUTION BOARDS, ELECTRICAL SERVICES, ETC. PER ADOPTED NEC ARTICLES 250.
10. ALL ELECTRICAL EQUIPMENT (I.E. SWITCHGEAR, TRANSFORMERS, DISTRIBUTION BOARDS, PANELBOARDS, DISCONNECT SWITCHES, ETC.) SHALL BE PROVIDED WITH A PHENOLIC NAMEPLATE WITH ENGRAVED LETTERS PER SPECIFICATIONS. ALL NAMEPLATES SHALL BE FASTENED WITH A MINIMUM OF TWO (2) MACHINE SCREWS. NO SELF ADHESIVE NAMEPLATES ARE ALLOWED.
11. CONTRACTOR SHALL FURNISH AND INSTALL MISSING FILLER PLATES IN PANELBOARD/SWITCHBOARD THAT IS BEING REUSED.
12. ALL CONDUCTOR TERMINATIONS SHALL BE TIGHTENED TO MANUFACTURER RECOMMENDATIONS USING AN APPROVED MEANS.
13. ALL ELECTRICAL EQUIPMENT SHALL BE IDENTIFIED WITH NAMEPLATES, REFER. TO SPECIFICATIONS. IN ADDITION, EACH DISCONNECT MUST BE MARKED TO IDENTIFY ITS PURPOSE AND INCLUDE IDENTIFICATION OF CIRCUIT SOURCE THAT SUPPLIES DISCONNECTING MEANS. (110.22)

CONSTRUCTION NOTES

1. PROVIDE NEW CIRCUIT BREAKER IN EXISTING DISTRIBUTION PANEL BOARD. TYPE TO MATCH EXISTING. AIC RATING TO BE GREATER THAN AVAILABLE FAULT CURRENT. UPDATE PANELBOARD DIRECTORY PER GENERAL NOTE REQUIREMENTS.
2. PROVIDE NEW FUSES AND SWITCH FRAME. FUSES AND SWITCH RATING AS SHOWN.

HOLT ARCHITECTURE
36951 COOK ST. STE 103, PALM DESERT, CA 92211, PH: 760.328.5280
2300 MARKET ST. STE 140, RIVERSIDE, CA 92501, PH: 951.462.1451
WWW.HOLTARCHITECTURE.COM
CONSULTANT:
REGISTERED PROFESSIONAL ENGINEER, KAREN KEMPAS, No. 22839, SIGNED:09/17/2025, ELECTRICAL, STATE OF CALIFORNIA

STAMPS:

REVIEWED FOR CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit, or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:33:04 PM

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE, ONTARIO, CA 91761

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC Revisions
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
SINGLE LINE DIAGRAM & PANEL SCHEDULES

SHEET NO.:
E003

PRINTED: 9/17/2025 5:44:25 PM
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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: Ontario Police Department - Media Room	**Report Page:** (Page 1 of 8)
Project Address: 2500 S Archibald Ave	**Date Prepared:** 9/16/2025

A. GENERAL INFORMATION

01	Project Location (city)	Ontario	04	Total Conditioned Floor Area (ft²)	1,439
02	Climate Zone	10	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

♦ Office ♦ All Other Occupancies

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☐ New Lighting System				
☐ New Lighting System - Parking Garage				
☒ Altered Lighting System	Area Category Method	1439	Area Category Method	0
Total Area of Work (ft²)	1439		0	

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Ontario Police Department - Media Room	**Report Page:** (Page 2 of 8)
	Date Prepared: 9/16/2025

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04		05	06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	=	Total Allowed (Watts)	Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	=	Total Adjusted (Watts) *Includes Adjustments	05 must be >= 08 140.6 / 170.2(e)
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)			
Conditioned		1,204.8	1,078		=	2,283	≥ 1,629	0	=	1629	COMPLIES
Unconditioned					=		≥		=		
Controls Compliance (See Table H for Details)											COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Ontario Police Department - Media Room	**Report Page:** (Page 3 of 8)
	Date Prepared: 9/16/2025

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
F1	(1) 180W LED	No	NA	180	Mfr. Spec	1	No	180	☐	☐
F10	(1) 18W LED	No	NA	18	Mfr. Spec	24	Exempt	---	☐	☐
F12	(1) 3W LED	No	NA	3	Mfr. Spec	1	Exempt	---	☐	☐
F13	(1) 184W LED	No	NA	184	Mfr. Spec	5	Exempt	---	☐	☐
F2	(1) 420W LED	No	NA	420	Mfr. Spec	1	No	420	☐	☐
F3	(1) 420W LED	No	NA	420	Mfr. Spec	1	No	420	☐	☐
F4	(1) 180W LED	No	NA	180	Mfr. Spec	1	No	180	☐	☐
F5	(1) 27W LED	No	NA	27	Mfr. Spec	5	No	135	☐	☐
F6	(1) 13W LED	No	NA	13	Mfr. Spec	18	No	234	☐	☐
F7	(1) 20W LED	No	NA	20	Mfr. Spec	3	No	60	☐	☐
F9	(1) 12W LED	No	NA	12	Mfr. Spec	20	Exempt	---	☐	☐
							Total Designed Watts: CONDITIONED SPACES	1,629		

[1]FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

[2]Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Ontario Police Department - Media Room	**Report Page:** (Page 4 of 8)
	Date Prepared: 9/16/2025

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Field Inspector	
		Pass	Fail
NA < 4,000W subject to multilevel	See Area/Space Level Controls	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
OFFICE/POST EDITING 1114	Office (>250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
OFFICE/PRODUCTION 1113	Office (>250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
MEDIA ROOM 1112	Videoconferencing Studio	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
							13		
							Plan Sheet Showing Daylit Zones:		

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06

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Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Ontario Police Department - Media Room	**Report Page:** (Page 5 of 8)
	Date Prepared: 9/16/2025

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Media Room	Videoconferencing Studio	0.9	1,078	970.2	Yes	No
Office	Office (<=250 square feet)	0.65	361	234.6	No	No
		TOTALS:	1,439	1,204.8	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

All areas indicated in Table I as using an additional allowance using the Area Category Method have been included in this table to calculate the additional allowance per Table 140.6-C /170.2-M

Conditioned Spaces

01	02	03	04	05	06	07	08	09	10
Area Description	Primary Function Area	Applicable Qualifying Lighting System from Table 140.6-C	Allowed Density (W/ft² or W/lf or W/unit)	Ltg Area, Length or ATM/Mirror (ft², lf or #)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	Number of Luminaires	Total Design Watts
Media Room	Videoconferencing Studio	VideoConferencing	1	1078	1078	F1	180	1	180
						F2	420	1	420
						F3	420	1	420
						F4	180	1	180
						F7	20	3	60
						F9	12	20	240
Total Design Watts	Calculated Allowance (Watts):	Total Additional Allowance for this area:							
1500	1078	1078							
	11								
Total Additional Allowance (Watts) CONDITIONED SPACES		1078							

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Ontario Police Department - Media Room	**Report Page:** (Page 6 of 8)
	Date Prepared: 9/16/2025

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Ontario Police Department - Media Room	**Report Page:** (Page 7 of 8)
	Date Prepared: 9/16/2025

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/atttcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	OFFICE/POST EDITING 1114; OFFICE/PRODUCTION 1113; MEDIA ROOM 1112;
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	MEDIA ROOM 1112;

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Ontario Police Department - Media Room	**Report Page:** (Page 8 of 8)
Project Address: 2500 S Archibald Ave	**Date Prepared:** 9/16/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Braden Kempton	
Company: Design West Engineering	**Signature Date:** 2025-09-16
Address: 412 East Vanderbilt Way	**CEA/ HERS Certification Identification (if applicable):** 22839
City/State/Zip: San Bernardino CA 92408	**Phone:** 909-890-3700

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Braden Kempton	
Company: Design West Engineering	**Date Signed:** 2025-09-16
Address: 412 E. Vanderbilt Way	**License:** 22839
City/State/Zip: San Bernardino CA 92408	**Phone:** 909-890-3700

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4B+ for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: Ontario Police Department - Media Room	**Report Page:** (Page 1 of 7)
Project Address: 2500 S Archibald Ave	**Date Prepared:** 9/16/2025

A. GENERAL INFORMATION

01	Project Location (city)	Ontario	04	Total Illuminated Hardscape Area (ft²)	1114
02	Climate Zone	10			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐ LZ-0: Very Low - Undeveloped Parkland		☐ LZ-2: Moderate - Urban Clusters		☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐ LZ-1: Low - Rural Areas		☒ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				

● Office ● All Other Occupancies

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4B+ for alterations.

My Project Consists of:

01	02	
☐ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☒ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	● Yes ○ No
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%	0	

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

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CONSULTANT:
REGISTERED PROFESSIONAL ENGINEER BRADEN KEMPTON No. 22839 SIGNED:09/17/2025 ELECTRICAL STATE OF CALIFORNIA
431 E Vanderbilt Way, Suite 100 San Bernardino, CA 92408 (909) 890-3700 www.designwestengineering.com
DESIGN WEST ENGINEERING

STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE, ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED FOR CODE COMPLIANCE
The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
Date: 09/29/2025 4:10:05 PM

CLIENT:
ONTARIO POLICE DEPARTMENT
CLIENT PROJECT NO.: DA-CZA-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 Comments
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
TITLE 24 COMPLIANCE FORMS - INDOOR

SHEET NO.:
E004

PRINTED: 9/17/2025 5:46:30 PM
FILE: Media Room-Ontario-CA-ONT Master Plan\25-003 ONT Media Room_MEP_Central_R22.rvt
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25-003

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Ontario Police Department - Media Room	Report Page: (Page 1 of 7)
Project Address:	2500 S Archibald Ave	Date Prepared: 5/21/2025

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Ontario	04	Total Illuminated Hardscape Area (ft²)	1114
02	Climate Zone	10			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☐ LZ-2: Moderate - Urban Clusters	☐	LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐	LZ-1: Low - Rural Areas	☒ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
● Office ● All Other Occupancies					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02		
☐ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6		
☒ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	● Yes	○ No
03	04	05	
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method	
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%	0		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Ontario Police Department - Media Room	Report Page: (Page 2 of 7)
		Date Prepared: 5/21/2025

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv												Compliance Results		
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	Total Allowed (Watts)	≥	Total Actual (Watts)	07 must be >= 08
319	+	---	+	---	+	---	+	---	OR	---	=	319	≥	247	COMPLIES
Shielding Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Ontario Police Department - Media Room	Report Page: (Page 3 of 7)
		Date Prepared: 5/21/2025

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
S1	(1) 19W LED	☐ Linear	19	Mfr. Spec	13	New	☐	247	NA: < 6200 lumens	☐	☐
							Total Design Watts:	247			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
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H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
Pedestrian Hardscape	Photocontrol	Provided	NA: Each Luminaire <= 40 Watts	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Ontario Police Department - Media Room	Report Page: (Page 5 of 7)
		Date Prepared: 5/21/2025

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-A while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01				
	"Use it or lose it" Allowance (select all that apply) (select all that apply)				
☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M	

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
Pedestrian Hardscape	1114	0.021	23.4	227	0.2	45.4	69
Initial Wattage Allowance for Entire Site (Watts):							250
Instances of Initial Wattage Allowance (LZ 0 only)[1]							
Total General Hardscape Allowance (Watts):							319

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Ontario Police Department - Media Room	Report Page: (Page 6 of 7)
		Date Prepared: 5/21/2025

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Pedestrian Hardscape;

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Ontario Police Department - Media Room	Report Page: (Page 7 of 7)
Project Address:	2500 S Archibald Ave	Date Prepared: 5/21/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Braden Kempton	Documentation Author Signature: Braden Kempton
Company: Design West Engineering	Signature Date: 2025-05-21
Address: 412 East Vanderbilt Way	CEA/ HERS Certification Identification (if applicable): 22839
City/State/Zip: San Bernardino CA 92408	Phone: 909-890-3700

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Braden Kempton	Responsible Designer Signature: Braden Kempton
Company: Design West Engineering	Date Signed: 2025-05-21
Address: 412 E. Vanderbilt Way	License: 22839
City/State/Zip: San Bernardino CA 92408	Phone: 909-890-3700

HOLT ARCHITECTURE
36951 COOK ST. STE 103 PALM DESERT, CA 92211 PH: 760.328.5280
2300 MARKET ST. STE 140 RIVERSIDE, CA 92501 PH: 951.462.1451
WWW.HOLTARCHITECTURE.COM
CONSULTANT:
REGISTERED PROFESSIONAL ENGINEER BRADEN KEMPTON No. 22839 SIGNED:09/17/2025 ELECTRICAL STATE OF CALIFORNIA
412 E Vanderbilt Way, San Bernardino, CA 92408 (909) 890-3700 braden@designwestengineering.com
DESIGN WEST ENGINEERING

STAMPS:

REVIEWED FOR CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE, ONTARIO, CA 91761

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CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
1	09/17/25	PC RD 1 Comments
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
TITLE 24 COMPLIANCE FORMS - OUTDOOR

SHEET NO.:
E005

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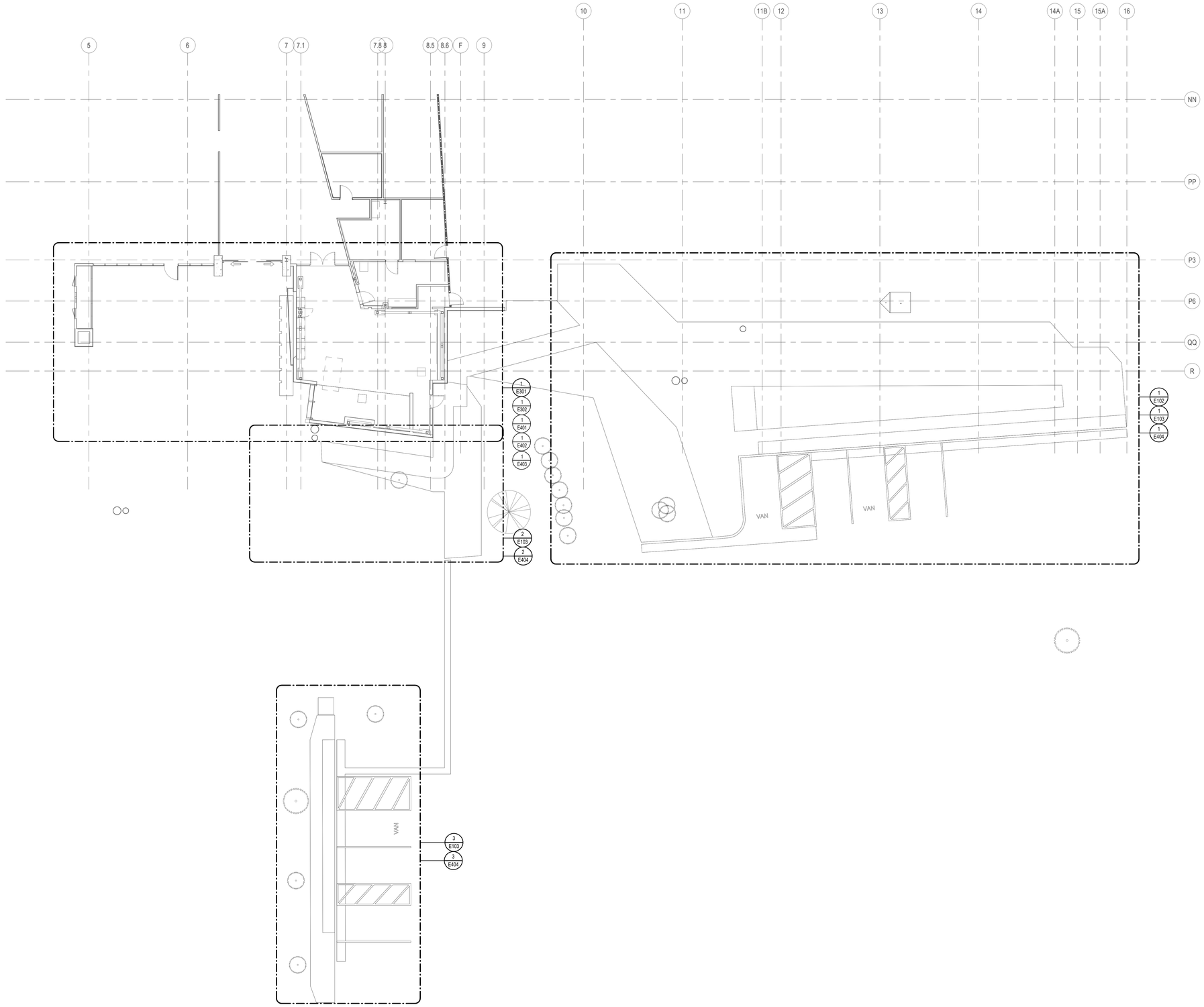
25-003



1 ELECTRICAL SITE PLAN
1" = 10'-0"

True North

HOLT ARCHITECTURE
36951 COOK ST. STE 103
PALM DESERT, CA 92211
PH: 760.328.5280
2300 MARKET ST. STE 140
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CONSULTANT:

REGISTERED PROFESSIONAL ENGINEER
KAREN KENDALL
No. 22839
SIGNED:09/17/2025
ELECTRICAL
STATE OF CALIFORNIA

DESIGN WEST ENGINEERING
411 E Huntington Dr #107
Arcadia, CA 91006
(626) 445-0671
Email: kkendall@dwengineering.com

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PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

OVERALL SITE PLAN

SHEET NO.:

E101

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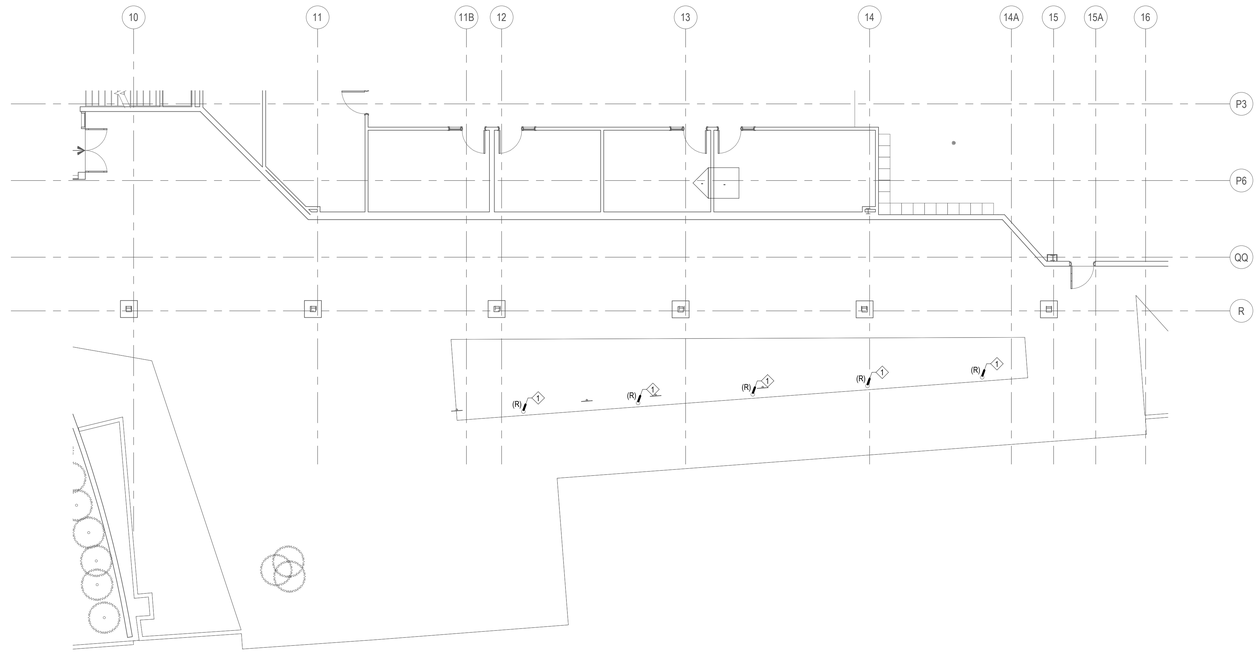

ENLARGED DEMO SITE LIGHTING PLAN

1 1/8" = 1'-0"

True North

GENERAL NOTES

1. REFER TO ELECTRICAL LEGENDS AND NOTES SHEET FOR ADDITIONAL DEMOLITION NOTES ON SHEET E001.
2. CONTRACTOR IS TO USE EXTREME CAUTION WHEN STARTING THE DEMOLITION WORK, THERE ARE MULTIPLE SERVICES FEEDING THIS WORK AREA. CONTRACTOR SHALL MAKE THEIR DUE DILIGENCE IN SOURCE TRACING ALL EXISTING EQUIPMENT, DISCONNECTS AND CIRCUITS ENTERING AND LEAVING THIS AREA. CONTRACTOR SHALL LABEL ALL CONDUITS WITH THEIR SOURCE LOCATION IF CONDUITS ARE TO REMAIN. ANY CIRCUITS BEING REMOVED SHALL HAVE ITS SOURCE CORRECTLY LABELED AS 'SPARE' AND SAFE-OFF CIRCUIT BREAKER. ANY CIRCUITS THAT REMAIN ARE TO BE REDLINED AND ADDED TO AS-BUILTS.

DEMOLITION NOTES

1 CONTRACTOR TO REMOVE EXISTING BOLLARDS AS SHOWN. PROTECT AND PRESERVE EXISTING CONDUIT AND CONDUCTORS IN PLACE FOR REUSE. CAP CONDUIT ENDS TO PREVENT DEBRIS AND WATER INGRESS. VERIFY AND DOCUMENT EXISTING LOCATIONS PRIOR TO REMOVAL. TEST CONDUCTORS FOR CONTINUITY AND INSULATION INTEGRITY, REPLACE IF DAMAGED. REFER TO REMODEL PLANS FOR ADDITIONAL INFORMATION.

KEY PLAN

HOLT ARCHITECTURE
36951 COOK ST. STE 103
PALM DESERT, CA 92211
PH: 760.328.5280
2300 MARKET ST. STE 140
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CONSULTANT:

REGISTERED PROFESSIONAL ENGINEER KAREN KENNEDY No. 22839 SIGNED:09/17/2025 ELECTRICAL STATE OF CALIFORNIA

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Karen Kennedy, PE
Principal Electrical Engineer
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92408-3705
(909) 825-7693
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karen@dwengineering.com

STAMPS:

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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

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The issuance of a permit and approval of these plans shall not be construed to permit, or approve any violation of the applicable codes or ordinances of the City.
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ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DMC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

ENLARGED DEMOLITION SITE LIGHTING PLAN

SHEET NO.:

E102

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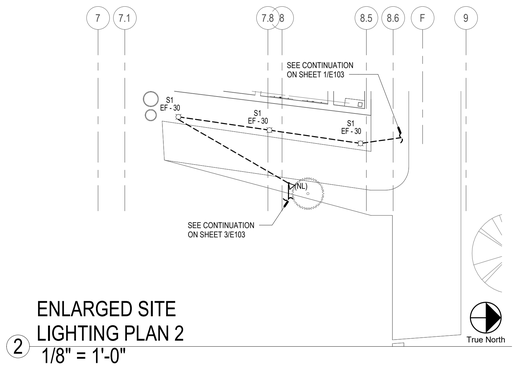
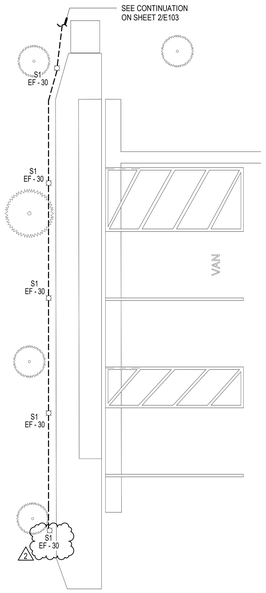
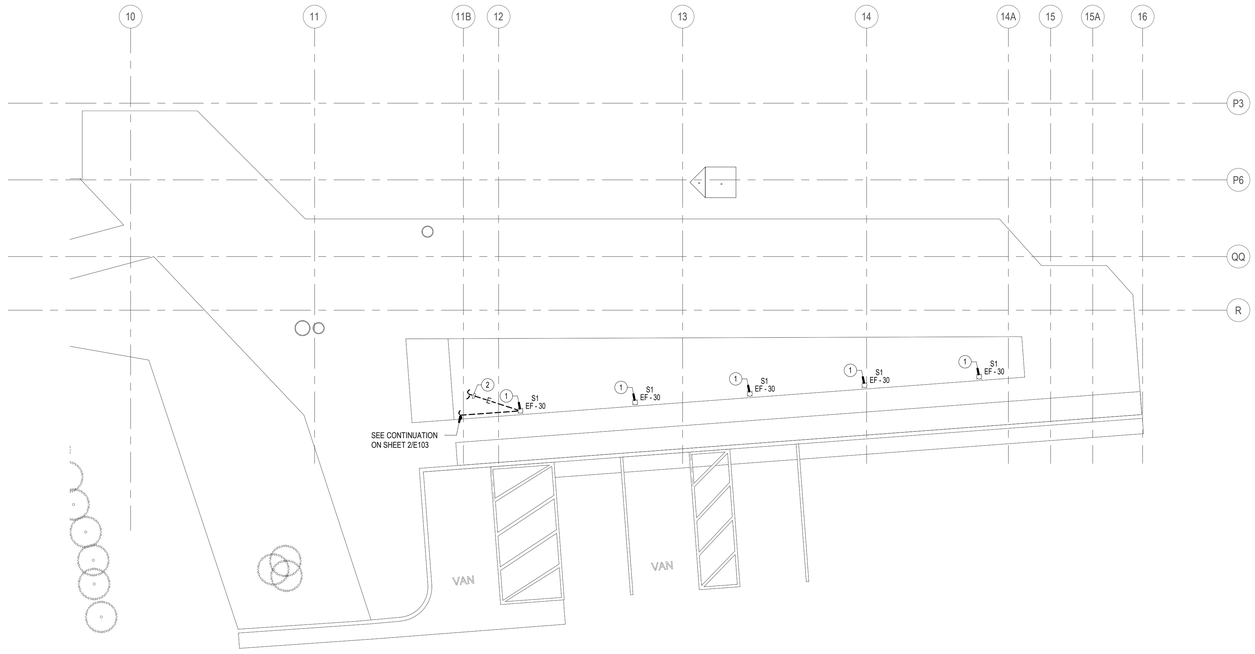


ENLARGED SITE LIGHTING PLAN 2
2 1/8" = 1'-0"



ENLARGED SITE LIGHTING PLAN 3
3 1/8" = 1'-0"

True North



ENLARGED SITE LIGHTING PLAN 1
1 1/8" = 1'-0"

True North

GENERAL NOTES

1. ALL SITE UNDERGROUND CONDUIT TO BE 1" MIN. UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL PROVIDE ALL WIRING AND CONDUITS REQUIRE BY MANUFACTURER TO FIXTURES AND CONTROLS.

CONSTRUCTION NOTES

1. CONTRACTOR TO INSTALL NEW BOLLARDS AT EXISTING PRESERVED LOCATIONS. RECONNECT TO EXISTING CONDUIT AND CONDUCTORS WHERE CONFIRMED SUITABLE FOR REUSE. CONDUCTORS SHALL BE TESTED FOR CONTINUITY AND INSULATION INTEGRITY PRIOR TO CONNECTION, REPLACE ANY DAMAGED WIRING AS REQUIRED. PROVIDE CODE-COMPLIANT GROUNDING AND WEATHERPROOF CONNECTIONS. COORDINATE FINAL BOLLARD PLACEMENT WITH ARCHITECTURAL SITE PLANS. IF NEW BOLLARD LOCATIONS DO NOT ALIGN WITH EXISTING STUBS, EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO REACH NEW LOCATIONS.
2. EXISTING CIRCUITS AND LIGHTING CONTROLS TO POWER NEW BOLLARDS.

KEY PLAN

HOLT ARCHITECTURE
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PALM DESERT, CA 92211
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CONSULTANT:

REGISTERED PROFESSIONAL ENGINEER KAREN KENNEDY No. 22839 SIGNED:09/17/2025 ELECTRICAL STATE OF CALIFORNIA

DESIGN WEST ENGINEERING
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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
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CLIENT:

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CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC Revisions
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

ENLARGED REMODEL SITE LIGHTING PLAN

SHEET NO.:

E103

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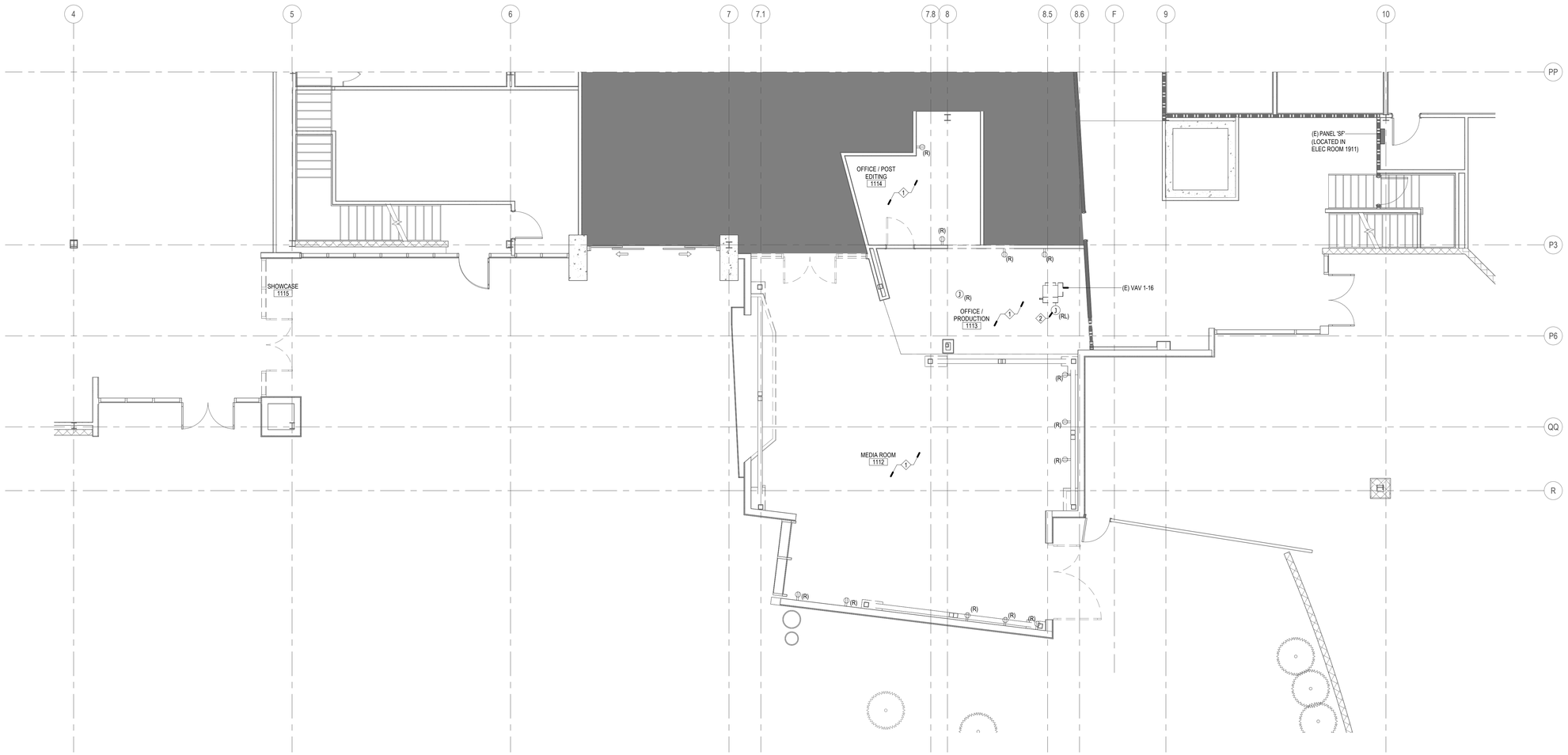

1 POWER & SIGNAL REMODEL PLAN
3/16" = 1'-0"

0' 4' 8' 16' 32'

True North

GENERAL NOTES

1. REFER TO ELECTRICAL LEGENDS AND NOTES SHEET FOR ADDITIONAL DEMOLITION NOTES ON SHEET E001.

DEMOLITION NOTES

1. CONTRACTOR TO REMOVE ALL RECEPTACLE DEVICES WITHIN ROOM. REMOVE CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX IN CEILING SPACE AND PREPARE FOR REUSE. U.O.N.
2. CONTRACTOR TO REMOVE AND PRESERVE EXISTING DISCONNECT MEANS, CONDUIT, AND CONDUCTORS. EXTEND CIRCUIT TO NEW LOCATOIN AS SHOWN IN REMODEL PLAN.

KEY PLAN

HOLT ARCHITECTURE
36951 COOK ST. STE 103
PALM DESERT, CA 92211
PH: 760.328.5280
2300 MARKET ST. STE 140
RIVERSIDE, CA 92501
PH: 951.462.1451
WWW.HOLTARCHITECTURE.COM

CONSULTANT:

REGISTERED PROFESSIONAL ENGINEER
KRISTEN KENDALL
No. 22839
SIGNED:09/17/2025
ELECTRICAL
STATE OF CALIFORNIA

DESIGN WEST ENGINEERING
411 E Huntington Dr#107
Arcadia, CA 91006
626.821.6555
Email: kristen@dwengineering.com

STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

POWER
DEMOLITION PLAN

SHEET NO.:

E301

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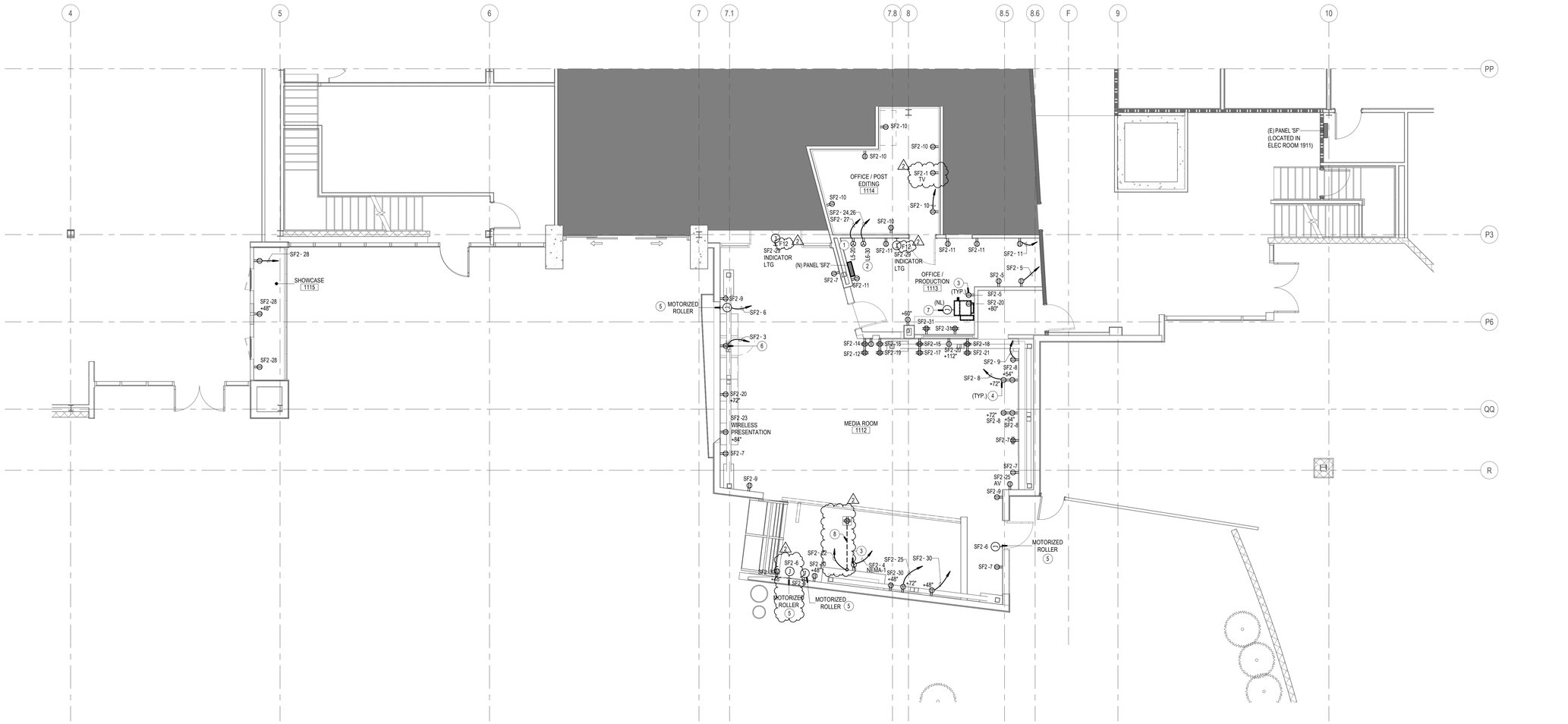

1 POWER & SIGNAL REMODEL PLAN
3/16" = 1'-0"

0' 4' 8' 16' 32' True North

GENERAL NOTES

1. COORDINATE POWER AND DATA DEVICE LOCATIONS, AND DEVICE PLATE COLOR WITH ARCHITECT.
2. REFER TO MECHANICAL AND PLUMBING PLANS FOR THE EXACT LOCATION OF HVAC EQUIPMENT AND ADDITIONAL WIRING REQUIREMENTS.
3. PROVIDE DUCT DETECTOR POWER AND CONNECTIONS AS INDICATED ON MECHANICAL DRAWINGS.
4. PROVED FLEXIBLE SEAL TYPE CONDUIT FOR CONNECTION TO ALL HVAC EQUIPMENT.
5. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE NEMA 3R.
6. ALL EXTERIOR RECEPTACLE OUTLETS SHALL BE GFCI TYPE.
7. PROVIDE HEAVY DUTY DISCONNECT SWITCHES WITH DUAL ELEMENT FUSES TO MATCH MOTOR H.P. RATING.
8. PROVIDE 3/4" CONDUIT FOR ELECTRICAL CIRCUITS U.O.N..
9. CONTRACTOR SHALL PROVIDE CONDUCTORS AND CONDUITS REQUIRED FOR ALL BRANCH CIRCUIT AND FEEDERS FOR CIRCUIT SIZES NOT SHOWN, REFER TO PANEL SCHEDULES FOR CONDUCTOR AND CONDUIT SIZES.
10. EXCEPT FOR THE HOMERUN INDICATION, CONDUIT AND WIRING SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE THE NUMBER OF CONDUCTORS REQUIRED FOR HOT LEGS, NEUTRAL AND GROUNDING AT EACH DEVICE FOR PROPER BRANCH CIRCUITING.
11. ALL 125 AND 250-VOLT, 15- AND 20-AMPERE NONLOCKING TYPE RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES IN AREAS SPECIFIED IN NEC 406.12.
12. ALL ELECTRICAL EQUIPMENT SHALL BE IDENTIFIED WITH NAMEPLATES, REFER. TO SPECIFICATIONS. IN ADDITION, EACH DISCONNECT MUST BE MARKED TO IDENTIFY ITS PURPOSE AND INCLUDE IDENTIFICATION OF CIRCUIT SOURCE THAT SUPPLIES DISCONNECTING MEANS. (110.22)

CONSTRUCTION NOTES

1. POWER FOR AV EQUIPMENT. VERIFY EXACT POWER REQUIRMENTS WITH AV EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
2. POWER FOR AV EQUIPMENT. COORDINATE WITH TECHNOLOGY DRAWINGS FOR AV EQUIPMENT LOCATIONS PRIOR TO ROUGH-IN.
3. WALL MOUNTED RECEPTACLE INTENDED TO SERVICE 120V POWER TO OFFICE BACKLIT SIGNAGE AND TELEVISION. VERIFY EXACT POWER REQUIRMENTS WITH MANUFACTURE PRIOR TO ROUGH-IN.
4. WALL MOUNTED RECEPTACLE TO SERVICE 120V POWER FOR TELEVISION AND OTHER DISPLAYS. VERIFY EXACT POWER REQUIRMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
5. CONTRACTOR TO PROVIDE RECEPTACLES FOR 120V POWER FOR MOTORIZED ROLLER SHADES. VERIFY EXACT POWER REQUIREMENTS WITH ROLLER SHADE MANUFACTURER & ARCHITECTRUAL DRAWINGS FOR EXACT LOCATIONS PRIOR TO ROUGH-IN.
6. GFCI RECEPTAVLE TO SERVICE 120V POWER FOR REFRIGERATOR. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF REFRIGERATOR PRIOR TO ROUGH-IN.
7. CONTRACTOR TO REUSE AND EXTEND EXISTING CIRCUIT TO CONNECT NEW VAV LOCATION.
8. CONTRACTOR TO RUN 1" CONDUIT THROUGH SOFFIT AND DOWN TO NEAREST WALL TO PROVIDE POWER FOR FLOOR MOUNTED RECEPTACLE. VERIFY EXACT LOCATION PRIOR TO START OF WORK.

KEY PLAN

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CONSULTANT:

REGISTERED PROFESSIONAL ENGINEER KAREN KENNEDY No. 22839 SIGNED:09/17/2025 ELECTRICAL STATE OF CALIFORNIA

DESIGN WEST ENGINEERING

STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
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The issuance of a permit and approval of these plans shall not be construed to permit or approve any violation of the applicable codes or ordinances.
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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC Revisions
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

POWER REMODEL PLAN

SHEET NO.:

E302

PRINTED: 9/17/2025 5:45:02 PM
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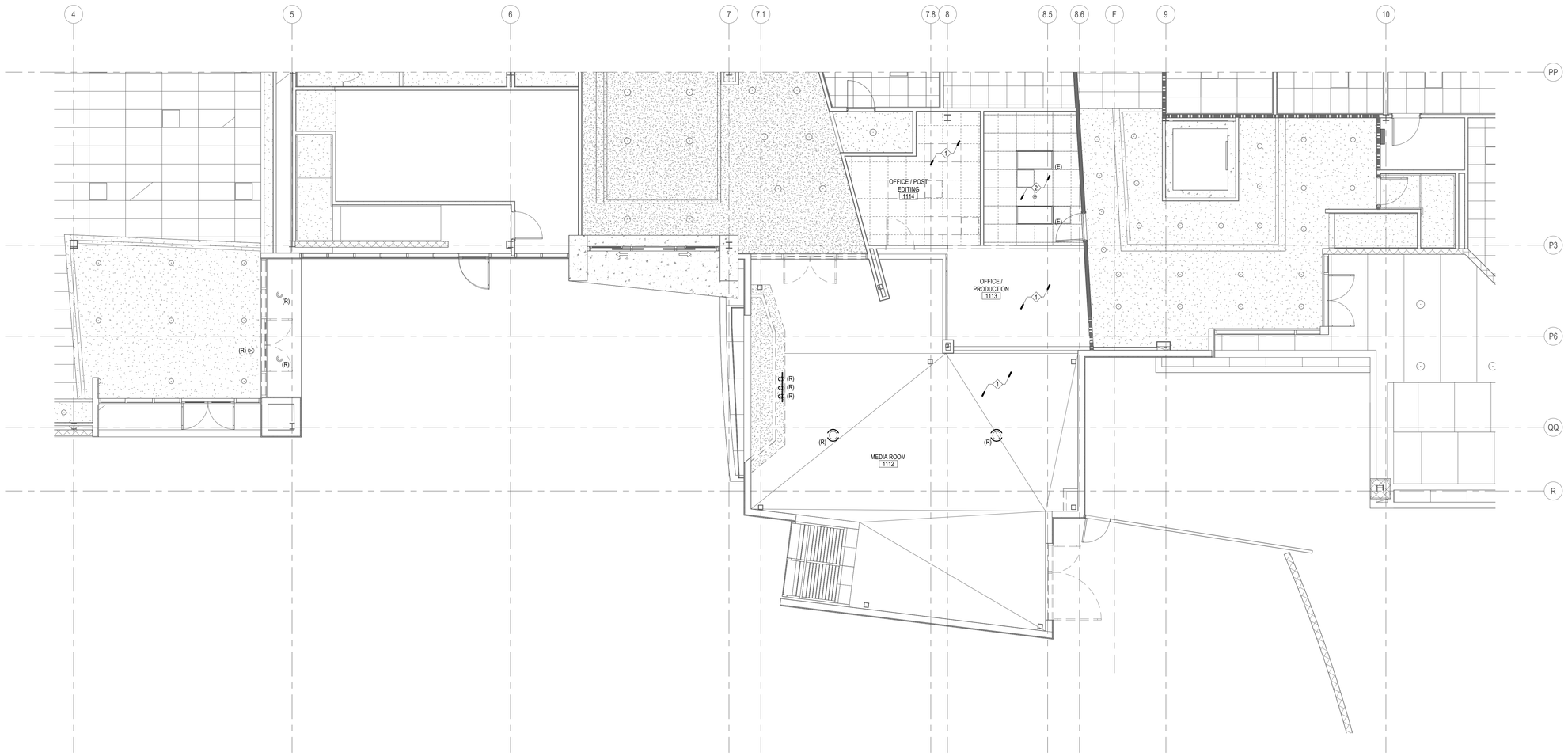

1 CLG-1ST DEMO RCP
3/16" = 1'-0"

0' 4' 8' 16' 32'

True North

GENERAL NOTES

1. REFER TO ELECTRICAL LEGENDS AND NOTES SHEET FOR ADDITIONAL DEMOLITION NOTES ON SHEET E001.

DEMOLITION NOTES

1. CONTRACTOR TO REMOVE ALL LIGHT FIXTURES AND LIGHTING DEVICES WITHIN ROOM. REMOVE CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX IN CEILING SPACE AND PREPARE FOR REUSE. U.O.N.

   CONTRACTOR TO REMOVE ALL LIGHT FIXTURES WITHIN EXTERIOR CANOPY. REMOVE CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX IN CEILING SPACE AND PREPARE FOR REUSE. U.O.N.

KEY PLAN

HOLT ARCHITECTURE
36951 COOK ST. STE 103
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PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

LIGHTING
DEMOLITION PLAN

SHEET NO.:

E401

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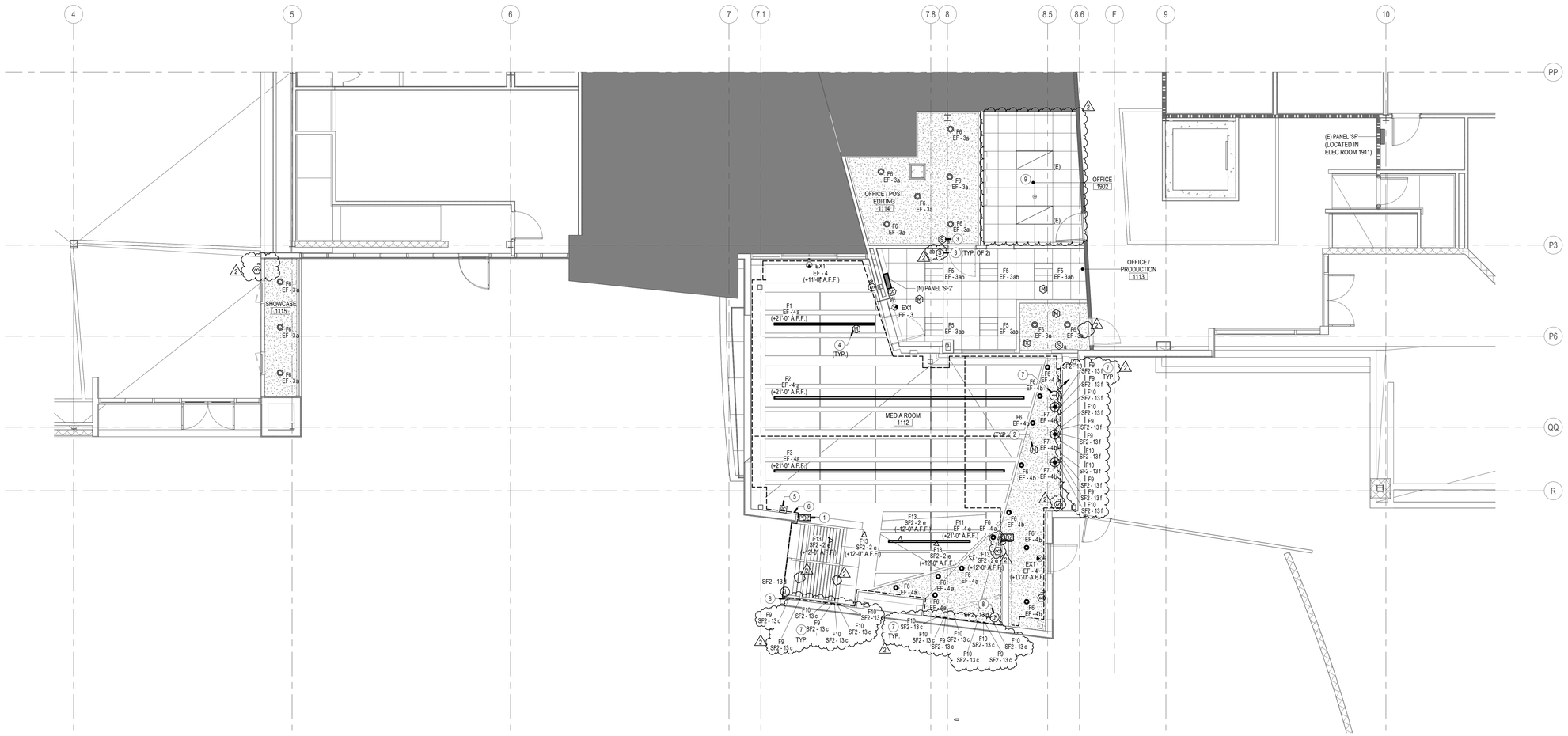

1 LIGHTING PLAN
3/16" = 1'-0"

0' 4' 8' 16' 32'

True North

GENERAL NOTES

1. COORDINATE LIGHT FIXTURE LOCATIONS AND LIGHT SWITCH LOCATIONS, COLOR, AND STYLE WITH ARCHITECT.
2. WHERE OCCUPANCY SENSORS ARE SHOWN ON PLANS, VERIFY WATTAGE AND COVERAGE OF PRODUCT PROVIDED IS ADEQUATE FOR SPACE TO BE CONTROLLED. COVERAGE IS TO BE ADJUSTED TO AVOID ACCIDENTAL ACTIVATION OUTSIDE OF AREA. VERIFY WIRING REQUIREMENTS TO ADDITIONAL SENSORS, ROOM CONTROLLERS, RELAY PACKS, ETC WITH PRODUCT BEING PROVIDED. OCCUPANCY SENSORS SHALL NOT BE LOCATED WITHIN FOUR FEET OF ANY HVAC DIFFUSER.
3. WHERE DAYLIGHT SENSORS ARE SHOWN ON PLANS, LOCATION SHOWN IS DIAGRAMMATICAL. VERIFY LOCATION IS PER MANUFACTURER RECOMMENDATIONS BASED ON TYPE OF SENSOR (OPEN/CLOSED LOOP). VERIFY WIRING REQUIREMENTS TO ADDITIONAL SENSORS, ROOM CONTROLLERS, RELAY PACKS, ETC WITH PRODUCT BEING PROVIDED.
4. PROVIDE NON-SWITCHED 'HOT' POWER WIRE TO BATTERY PACK CHARGING/SENSOR IN ALL EMERGENCY FIXTURES.
5. REFER TO LIGHTING CONTROL DETAILS FOR WIRING AND CONDUIT REQUIREMENTS. CONTRACTOR SHALL PROVIDE ALL WIRING AND CONDUITS REQUIRE BY MANUFACTURER TO FIXTURES AND CONTROLS.
6. FINAL MOUNTING LOCATIONS OF ALL OCCUPANCY AND PHOTOCELL DEVICES SHALL COORDINATED WITH MANUFACTURERS RECOMMENDATIONS AND FIELD ADJUSTED WITH REPRESENTATIVE AS NECESSARY.

CONSTRUCTION NOTES

1. PRIMARY DAYLIT AREA, PER CALIFORNIA ENERGY CODE.
2. INTERCONNECT TO OTHER MOTION SENSOR(S) IN SAME ROOM.
3. PROVIDE LOW-VOLTAGE MANUAL DIMMER SWITCH INTERCONNECTED TO LIGHTING SYSTEM IN SPACE.
4. PROVIDE LOW-VOLTAGE CEILING OCCUPANCY SENSOR INTERCONNECTED TO LIGHTING SYSTEM IN SPACE.
5. PROVIDE LOW-VOLTAGE PHOTOCELL INTERCONNECTED TO LIGHTING SYSTEM IN SPACE.
6. DAYLIGHT ZONE INDICATION FOR LIGHTING CONTROLS
7. CONTRACTOR TO PROVIDE RECESSED WALL-MOUNTED ACCENT LIGHT JUNCTION BOX WITH CIRCUIT AS INDICATED ON PLAN. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATION DRAWINGS. VERIFY ALIGNMENT AND SPACING WITH ARCHITECTURAL DESIGN INTENT PRIOR TO ROUGH-IN.
8. CONTRACTOR TO PROVIDE RECESSED FLOOR ACCENT LIGHTING JUNCTION BOX WITH CIRCUIT AS INDICATED ON PLAN. COORDIANTE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. VERIFY ALIGNMENT AND SPACING WITH ARCHITECTRUAL DESING INTENT PRIOR TO ROUGH-IN.
9. EXISTING LIGHTING TO REMAIN IN THIS ROOM. VERIFY SPECIFICATIONS WITH ARCHITECT PRIOR TO START OF WORK.

KEY PLAN

HOLT ARCHITECTURE
36951 COOK ST. STE 103
PALM DESERT, CA 92211
PH: 760.328.5280
2300 MARKET ST. STE 140
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PH: 951.462.1451
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CONSULTANT:

REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA

DESIGN WEST ENGINEERING
(714) 779-0049

STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

ONTARIO
City of Ontario | Building Department
APPROVED & REVIEWED
FOR CODE COMPLIANCE
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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DMC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
2	09/17/25	QA/QC Revisions
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

LIGHTING
REMODEL PLAN

SHEET NO.:

E402

PRINTED: 9/17/2025 5:45:21 PM
FILE: Archived Projects\2025\25-003 OPD Master Plan\25-003 OPD Media Room_MEP_Central_R22.rvt

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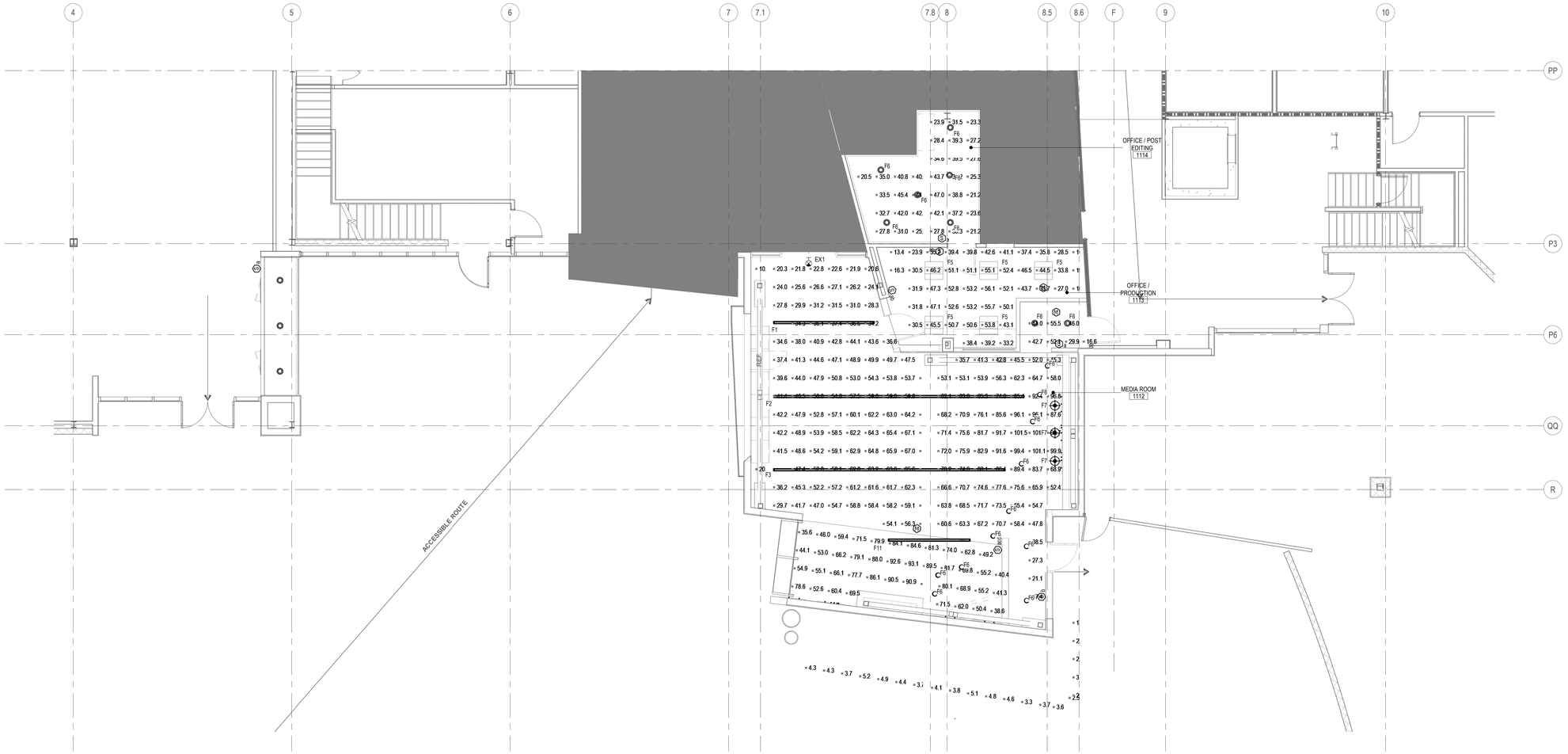
PHOTOMETRIC STATISTICS					
AREA NAME	AVERAGE	MAXIMUM	MINIMUM	AVG/MIN	MAX/MIN
MEDIA ROOM	55 fc	102 fc	10 fc	5.4	10.0
OFFICE/POST EDITING	33 fc	47 fc	21 fc	1.6	2.3
OFFICE / PRODUCTION 1113	40 fc	56 fc	13 fc	3.0	4.2
Detail Filled Region	200 fc	212 fc	184 fc	1.1	1.2



1 POWER & SIGNAL REMODEL PLAN
3/16" = 1'-0"

0' 4' 8' 16' 32' True North

HOLT ARCHITECTURE
36951 COOK ST. STE 103
PALM DESERT, CA 92211
PH: 760.328.5280
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CONSULTANT:

REGISTERED PROFESSIONAL ENGINEER KAREN KENNEDY No. 22839 SIGNED:09/17/2025 ELECTRICAL STATE OF CALIFORNIA

DESIGN WEST ENGINEERING

STAMPS:

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Sep 23, 2025
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PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DAC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
EGRESS PHOTOMETRIC PLAN

SHEET NO.:
E403

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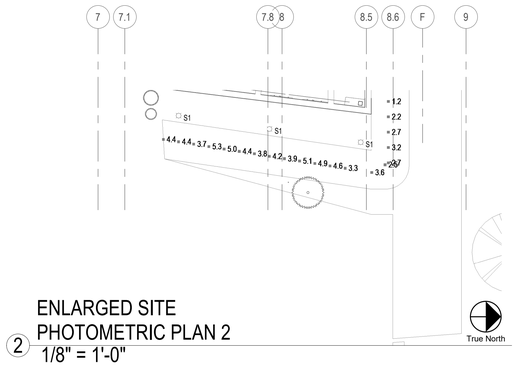
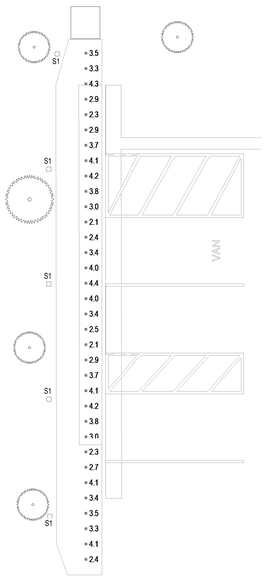
25-003

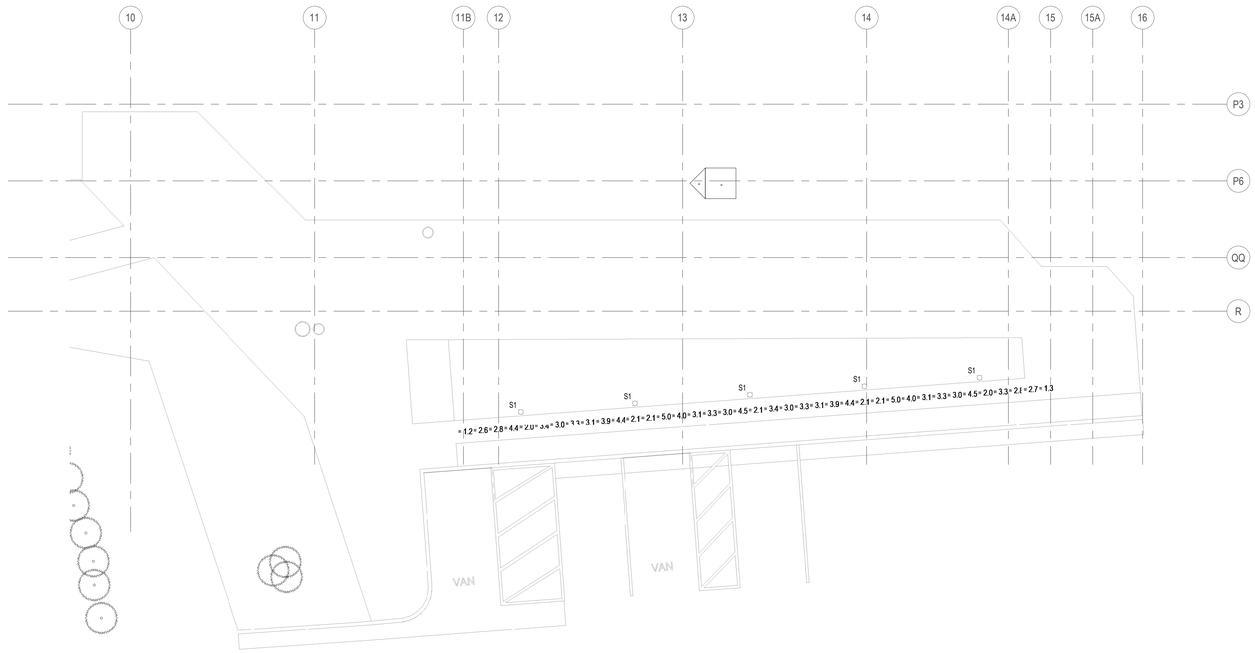


ENLARGED SITE
PHOTOMETRIC PLAN 2
2 1/8" = 1'-0"



ENLARGED SITE
PHOTOMETRIC PLAN 3
3 1/8" = 1'-0"

True North



ENLARGED SITE
PHOTOMETRIC PLAN 1
1 1/8" = 1'-0"

True North

STATIS					
CALCULATOIN POINT NAME	AVERAGE	MAXIMUM	MINIMUM	AVG/MIN	MAX/MIN
PHOTOMETRIC PLAN 1	3 fc	5 fc	1 fc	2.7	4.3
PHOTOMETRIC PLAN 2	4 fc	5 fc	1 fc	3.2	4.5
PHOTOMETRIC PLAN 3	3 fc	4 fc	2 fc	1.6	2.1

HOLT ARCHITECTURE
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STAMPS:

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Sep 23, 2025
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FOR CODE COMPLIANCE
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Date: 09/29/2025 4:10:06 PM

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DA-23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

ENLARGED SITE
PHOTOMETRIC
PLAN

SHEET NO.:

E404

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By: Alfredo Ochoa
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25-003

ABBREVIATIONS

A	AMPERE
AF	AMPERE FRAME RATING
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AFG	ABOVE FINISHED GRADE
AT	AMPERE TRIP RATING
AWG	AMERICAN WIRE GAUGE
BKBD	BACKBOARD
BLDG	BUILDING
BKR	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CFSD	COMBINATION FIRE SMOKE DAMPER
CO	CONDUIT ONLY
CONC	CONCRETE
CT	CURRENT TRANSFORMER
CU	COPPER
℄	CENTERLINE
DB	DURESS BUTTON
DISC	DISCONNECT
DSBN	DISTRIBUTION SECTION
DN	DOWN
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EXIST, (E)	EXISTING
EXO	EXTERNAL OPERABLE DISCONNECT
F	FUSE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FF	FINISHED FLOOR
FG	FINISHED GRADE
FLA	FULL LOAD CURRENT
FLUOR	FLUORESCENT
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GND	GROUND
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HV	HIGH VOLTAGE
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED/INSULATED GROUND
INCAND	INCANDESCENT
ISC	SHORT CIRCUIT CURRENT AVAILABLE IN RMS SYMMETRICAL AMPERES
J-BOX	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KW	KILOWATT
KV	KILO VOLT
KVA	KILO VOLT-AMPERE
LDC	LOCAL DISTRIBUTION CABINET
LDF	LOCAL DISTRIBUTION FRAME
LCL	LONG CONTINUOUS LOAD
LTG	LIGHTING
LV	LOW VOLTAGE
MFR	MANUFACTURER
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MIN	MINIMUM
MH	MANHOLE / METAL HALIDE
M/M	METER AND MAIN SECTION
MULTI	MULTI-METER SECTION
MV	MEDIUM VOLTAGE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NEW (N)	NEW, TO BE FURNISHED AND INSTALLED BY CONTRACTOR
NF	NON-FUSED
NIC	NOT IN CONTRACT
N/L	NIGHT LIGHT
NO	NUMBER, NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
P	POLE
PB	PULL BOX
PF	POWER FACTOR
PNL	PANEL
POC	POINT OF CONNECTION
PP	POWER POLE
PWR	POWER
PVC	POLYVINYL CHLORIDE
QUAD	QUADRUPLEX
QTY	QUANTITY
REQD	REQUIRED
REQMT	REQUIREMENT
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SHT	SHEET
SN	SOLID NEUTRAL
SPEC	SPECIFICATIONS
SPDT	SINGLE POLE, DOUBLE THROW
SPST	SINGLE POLE, SINGLE THROW
SW	SWITCH
SWBD	SWITCHBOARD
TC	TIME CLOCK
TEL	TELEPHONE
TERM	TERMINAL
TP	TEMPORARY POLE
TYP	TYPICAL
UGPS	UNDERGROUND PULL SECTION
UL	UNDERWRITERS LABORATORY
UPS	UNINTERRUPTIBLE POWER SUPPLY
UON	UNLESS OTHERWISE NOTED
V	VOLT, VOLTAGE
VA	VOLT-AMPERE
VFC	VARIABLE FREQUENCY CONTROLLER
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WH	WATT-HOUR
WP	WEATHERPROOF
WT	WEATHERTIGHT
WW	WIREWAY
XP	EXPLOSION PROOF
Z	IMPEDANCE
4W	FOUR-WIRE
3W	THREE-WIRE
5S	JUNCTION BOX (4 11/16" SQUARED X2 1/8" DEEP)
.	DIAMETER, PHASE
#	NUMBER
°C	DEGREE CELSIUS

TASK RESPONSIBILITY MATRIX

TASK	RESPONSIBLE PARTY
TECHNOLOGY CONDUIT, BACKBOXES, FLOORBOXES, POKE THRUS, SLEEVES	CFCI
TECHNOLOGY CONDUIT ID LABELING AND PULLSTRINGS	CFCI
TECHNOLOGY EQUIPMENT STRUCTURAL SUPPORTS AND BACKING	CFCI
TECHNOLOGY ROOM EQUIPMENT (RACKS, CABINETS, PATCH PANELS, CABLE MANAGEMENT, RUNWAY, TRAY)	CFCI
TECHNOLOGY CABLING	CFCI
TECHNOLOGY TERMINATIONS, FACEPLATES, AND DIVIDERS	CFCI
NETWORK EQUIP (SWITCHES, PATCH CORDS, RACK MOUNT UPS IN IDF'S, & WIRELESS AP'S)	OFOI
MISC. IT EQUIPMENT (TELEPHONES, COMPUTERS, MONITORS)	CFCI
NETWORK EQUIPMENT POWER	CFCI
ELECTRONIC SECURITY DEVICES (ACCESS CONTROL, INTRUSION DETECTION, & ACCESSORIES)	CFCI
ELECTRONIC SECURITY DEVICES (VIDEO SURVEILLANCE, MOUNTS, & ACCESSORIES)	OFOI
HEADEND EQUIPMENT POWER	CFCI
AUDIOVISUAL DEVICES (AUDIO, VIDEO, PAGING, MOUNTS, & ACCESSORIES)	CFCI
HEADEND EQUIPMENT POWER	CFCI

OFCI = OWNER FURNISH CONTRACTOR INSTALLED
OFOI = OWNER FURNISH OWNER INSTALLED
CFCI = CONTRACTOR FURNISHED CONTRACTOR INSTALLED

TECHNOLOGY SHEET INDEX

SHEET NUMBER	SHEET NAME
T001	TECHNOLOGY COVER SHEET
T002	TECHNOLOGY LEGENDS & NOTES
T101	TECHNOLOGY SITE PLAN
T102	TECHNOLOGY FLOOR PLAN
T201	TECHNOLOGY SINGLE LINES
T202	TECHNOLOGY DETAILS

Grand total: 6

COMMUNICATIONS LEGEND AND SYMBOLS

SYMBOL	DATA & COMMUNICATIONS
XXX	WALL OUTLET, SURFACE MOUNT DATA
XXX	WALL OUTLET, SURFACE MOUNT DATA ABOVE COUNTER
XXX	WALL OUTLET, RECESSED DATA
XXX	WALL OUTLET, RECESSED DATA ABOVE COUNTER
XXX	WALL OUTLET, COMBO DATA/ANALOG
XXX	WALL OUTLET, COMBO DATA/ANALOG ABOVE COUNTER
XXX	CEILING OUTLET, SURFACE MOUNT DATA
XXX	CEILING OUTLET, RECESSED DATA
XXX	FLOOR OUTLET, FLOOR BOX DATA
XXX	WALL OUTLET, RECESSED

"XXX" DENOTES OUTLET TYPE
1 = 1-PORT
2 = 2-PORT
3 = 3-PORT
4 = 4-PORT
6 = 6-PORT
AV = AUDIOVISUAL
WAP = WIRELESS ACCESS POINT
WF = WALL FEED
(D) = REMOVE EXISTING CABLING AND INFRASTRUCTURE.
(E) = REMOVE EXISTING CABLING. EXISTING INFRASTRUCTURE TO REMAIN
(R) = REPLACE EXISTING CABLING WITH NEW. EXISTING INFRASTRUCTURE TO REMAIN.
(RL) = REPLACE EXISTING CABLING WITH NEW. RELOCATE EXISTING INFRASTRUCTURE.

SYMBOL	AUDIOVISUAL
XXX	WALL OUTLET, RECESSED
XXX	CEILING DEVICE
	WALL-MOUNTED CLOCK

"XXX" DENOTES DEVICE TYPE
AV = AUDIO INPUT PLATE
CAM = CONFERENCING CAMERA
CP = CONTROL PANEL
MIC = MICROPHONE
PGS = PAGING SPEAKER
VD = 55" VIDEO DISPLAY
VD1 = 55" VIDEO DISPLAY
VD2 = 30" VIDEO DISPLAY
VD3 = 77" VIDEO DISPLAY

SYMBOL	SECURITY
XXX	WALL OUTLET, RECESSED
	CEILING OUTLET, RECESSED
XXX	WALL MOUNT FIXED VIEW CAMERA
XXX	WALL MOUNT 180/360 CAMERA
XXX	CEILING MOUNT 360 CAMERA
XXX	CEILING MOUNT FIXED VIEW CAMERA

"XXX" DENOTES DEVICE TYPE
180 = 180 DEGREE VIEW
270 = 270 DEGREE VIEW
360 = 360 DEGREE VIEW
DC = DOOR CONTACT
KR = KEYPAD READER
MD = MOTION DETECTOR
RC = RELAY CONNECTION
RX = REQUEST-TO-EXIT

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STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:
ONTARIO POLICE DEPARTMENT
CLIENT PROJECT NO.: DMC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
TECHNOLOGY COVER SHEET

SHEET NO.:
T001

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25-003

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST CALIFORNIA CODE OF REGULATIONS (CCR), NATIONAL ELECTRICAL CODE EDITION AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
2. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF MECHANICAL, PLUMBING AND OTHER EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO ANY WORK.
3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OR OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND MINIMUM CODE REQUIRED WORKING CLEARANCES AT ALL TIMES.
4. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL OUTLET BOXES FOR SWITCHES, BELL/STROBES, FIRE ALARM PULL STATIONS. RECEPTACLES ETC. WITH CABINETS, FURNITURE, EQUIPMENT ETC., TO AVOID CONFLICT.
5. FURNISH APPROVED EXPANSION FITTINGS WHERE RACEWAY CROSSES BUILDING EXPANSION JOINTS.
6. FURNISH PULL STRING IN EACH RACEWAY RUN OVER 10' IN LENGTH, IN WHICH PERMANENT WIRING IS NOT INSTALLED.
7. PROVIDE PULL BOXES EVERY 180 DEGREE OF BENDS. COORDINATE LOCATIONS OF BOXES WITH OTHER TRADES TO AVOID CONFLICT. PULL BOXES SHALL BE ACCESSIBLE. THE SIZE OF PULL BOX SHALL COMPLY WITH BISCI REQUIREMENTS.
   A. A THIRD 90 DEGREE BEND BETWEEN PULL POINTS OR BOXES WILL BE ALLOWED IF CONDUIT CAPACITY FOR FINAL RUN IS DERATED BY 15%.
   B. PROVIDE A LABEL INDICATING CONDUIT DERATING.
      a. EXCEPTIONS TO NOT ALLOW CONDUIT DERATING:
         - TOTAL RUN IS LESS THAN 10M (33FT).
         - IF CONDUIT CAPACITY FOR FINAL RUN IS DERATED BY 15%, AND CONDUIT TRADE SIZED IS INCREASED
         - ONE BEND IS LOCATED WITHIN 300mm (12in) OF CABLE FEED END.
8. ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT INCLUDING THOSE THAT ARE EXPOSED TO OUTSIDE ENVIRONMENT (UP TO 16') SHALL BE WEATHERPROOF TYPE, NEMA 3R.
9. NO CONDUIT RUNS SHALL BE ALLOWED IN CONCRETE SLABS. ALL CONDUITS WILL BE PLACED ABOVE ACCESSIBLE CEILING SPACES UNLESS SPECIFICALLY INDICATED TO BE UNDERGROUND.
10. LIGHTING, POWER, TELEPHONE AND COMMUNICATIONS OUTLETS SHALL NOT BE PLACED BACK-TO-BACK.
11. ALL TECHNOLOGY CABLING IN FIRE RATED WALL IS TO BE INSTALLED IN A METALLIC CONDUIT SYSTEM. TECHNOLOGY CABLING SHALL BE IN SEPARATE RACEWAYS FROM POWER OR LIGHTING.
12. ALL TECHNOLOGY MATERIAL SHALL BE LISTED BY "UL" FOR THE TYPE OF APPLICATION AND "UL" LABEL SHALL APPEAR ON ALL EQUIPMENT.
13. ANY ERRORS, OMMISSIONS, OR DESIGN DISCREPANCIES ON PLANS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ELECTRICAL ENGINEER FOR CLARIFICATION OR CORRECTION PRIOR TO THE CONSTRUCTION AND PREPERATION OF SUBMITTAL PACKAGES.
14. WIRING METHOD SHALL BE EMT ABOVE GROUND AND MOUNTED IN CONCEALED SPACES AND SCHEDULE-40 PVC FOR UNDERGROUND INSTALLATION. USE RIGID WHEN ENCASED IN CONCRETE OR SUSCEPTIBLE TO DAMAGE.
15. ALL TECHNOLOGY EQUIPMENT SHOWN ON PLANS SHALL BE DEEMED NEW. CONTRACTOR SHALL FURNISH AND INSTALL ALL NEW EQUIPMENT SHOWN ON PLANS U.O.N.
16. PENETRATIONS THROUGH FIRE-RATED BARRIERS SHALL BE FIRESTOPPED.
17. LOCATE TECHNOLOGY PATHWAYS AWAY FROM SOURCES OF EMI, INCLUDING BUT NOT LIMITED TO:
   A. ELECTRICAL POWER CABLING AND TRANSFORMERS
   B. RF SOURCES
   C. LARGE MOTORS AND GENERATORS
   D. INDUCTION HEATERS
   E. PHOTOCOPY EQUIPMENT
18. DAISY-CHAINING OF DEVICE BACKBOXES ARE NOT ALLOWED, UNLESS SPECIFICALLY NOTED OR DRAWN ON FLOOR PLANS OR DETAILS.
19. CONDUIT BENDS SHALL BE MINIMUM (10) TIMES THE INSIDE DIAMETER OF CONDUIT.
20. CONDUIT BENDS FOR FIBER CABLING SHALL BE MINIMUM (20) TIMES THE OUTSIDE DIAMETER OF SPECIFIED CABLING.
21. UNDERGROUND CONDUITS SHALL BE PVC AND HAVE MINIMUM EARTH OVER OF (18) INCHES. IN LOCATIONS UNDERNEATH VEHICLE TRAFFIC, CONDUIT HAVE MINIMUM EARTH OVER OF (30) INCHES. CONDUITS ALLOWED TO BE IN SAME TRENCH AS POWER (480V AND BELOW) WITH MINIMUM OF (3) INCHES OF CONCRETE OR (12) INCHES OF DIRT.

GENERAL DEMOLITION NOTES

1. THE DEMOLITION NOTE REFERENCE PERTAIN TO ALL RELATED SHEETS WHERE EXISTING ELECTRICAL WORK IS INDICATED.
2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND MAKE THEMSELVES COMPLETELY FAMILIAR WITH THE EXISTING INSTALLED CONDITIONS.
3. ALL EQUIPMENT OR WORK REQUIRED TO CARRY OUT THE DEMOLITION SCOPE OF WORK IS CONSIDERED TO BE PART OF THE CONTRACTOR SCOPE OF WORK. NO EXTRAS WILL BE CONSIDERED TO PERFORM THE REQUIRED WORK.
4. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE FACILITY DIRECTOR PRIOR TO THE SCHEDULING OF ANY POWER OUTAGE. SUCH PERMISSION MUST BE OBTAINED IN WRITING AND BE GRANTED AT LEAST 7 DAYS PRIOR TO ANY SCHEDULE SHUT DOWN. THE SHUT DOWN SHALL NOT EXCEED A DURATION OF 4 HOURS.
5. THE CONTRACTOR SHALL NOT STORE ON SITE ANY ITEMS THAT WERE DEMOLISHED FOR ANY EXTENDED PERIOD OF TIME, WITHOUT THE WRITTEN PERMISSION OF THE FACILITY DIRECTOR.
6. ALL ELECTRICAL ITEMS DESIGNATED AS EXISTING TO REMAIN SHALL AS PART OF THIS SCOPE OF WORK BE CLEANED AND TESTED, TO INSURE PROPER OPERATION. ANY ITEMS THAT FAIL TO PASS THE TEST SHALL BE BROUGHT TO THE ATTENTION OF THE FIELD INSPECTOR AND THE ENGINEER OF RECORD FOR RESOLUTION.
7. THE CONTRACTOR SHALL REMOVE ALL EXISTING SWITCHBOARDS, DISTRIBUTION BOARDS, PANEL BOARDS, LIGHTING FIXTURES, CONDUITS, WIRES AND OTHER ELECTRICAL APPARATUS DESIGNATED AS EXISTING TO BE REMOVED. DEMOLITION ITEMS, IF NOT REQUIRED TO BE SALVAGED BY OWNER, BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN AN APPROPRIATE MANNER.
8. THE CONTRACTOR SHALL REMOVE ALL CONDUITS SERVING DEVICES WHICH ARE DESIGNATED AS EXISTING TO BE REMOVED, BACK TO THE SOURCE WHEN POSSIBLE. IF THE NATURE OF THE EXISTING INSTALLATION WILL NOT ALLOW REMOVAL THE CONTRACTOR SHALL REMOVE ALL EXPOSED CONDUIT AND ABANDON THE REMAINDER AFTER REMOVING ALL CONDUCTORS.
9. DEMOLITION AND/OR REMOVAL OF ELECTRICAL EQUIPMENT IN AREAS TO BE REMODELED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. WHERE OUTLETS ARE REMOVED IN EXISTING WALL, REMOVE DEVICES, OUTLETS AND WIRING BACK TO PANELBOARD OR BACK TO NEAREST OUTLET WITH OTHER EXISTING LOAD TO REMAIN.
11. WHERE EXISTING CONDUIT AND CONDUCTORS ARE TO BE REMOVED AND CONDUIT IS INSTALLED IN GROUND OR EMBEDDED IN CONCRETE, REMOVE WIRE AND CUT CONDUIT TO BELOW FLOOR, PLUG CONDUIT, PATCH FLOOR AND ABANDON CONDUIT.
12. WHERE ELECTRICAL DEVICES ARE TO BE REMOVED, REMOVE ALL CONDUIT AND CONDUCTORS BACK TO SOURCE, TERMINAL CABINETS AND RACKS, PROVIDE BLANK COVER PLATE FOR ABANDONED JUNCTION BOXES.
13. REMOVE ALL CONTROL PANELS, EQUIPMENT RACKS, PULL-BOXES, TERMINAL CABINETS, ETC. FOR SYSTEMS TO BE DEMOLISHED EXCEPT WHERE ANY OF THE EXISTING DEVICES, SYSTEMS, CONSOLES, ETC. ARE TO BE REUSED FOR UPGRADE.
14. PROVIDE BLANK COVER PLATE FOR ALL EMPTY OUTLET BOXES WHERE DEVICES AND/OR CONDUCTORS HAVE BEEN REMOVED AS PART OF THIS CONTRACT.
15. AFTER REMOVAL OF WIREMOLD AND ASSOCIATED FITTINGS, PATCH, REPAIR AND PAINT AFFECTED SURFACES TO MATCH EXISTING.
16. EXISTING CONDUIT CAN BE REUSED PROVIDING IT IS CHECKED FOR CONTINUITY OF GROUND, BLOWN FREE OF DEBRIS, AND DOES NOT INTERFERE WITH NEW CONSTRUCTION.
17. REMOVALS AND REPAIRS TO EXISTING ELECTRICAL WORK REQUIRED TO AVOID CONFLICTS WITH NEW CONSTRUCTION TO MEET MINIMUM CODE REQUIREMENTS.
18. A FIELD SURVEY VERIFICATION IS MANDATORY IN ORDER TO SUBMIT AN ELECTRICAL BID, FAILURE TO DO SO SHALL NOT RELIEVE THIS CONTRACTOR FROM PERFORMING THE WORK OF THIS CONTRACT.

APPLICABLE CODES

1. 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2. 2022 CALIFORNIA BUILDING CODE (CBC),PART 2, TITLE 24 C.C.R. (IBC WITH AMENDMENTS)
3. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (NEC WITH AMENDMENTS)
4. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (UMC WITH AMENDMENTS)
5. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (UPC WITH AMENDMENTS)
6. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (IFC WITH AMENDMENTS)
7. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
8. 2022 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
9. 2022 CALIFORNIA ENERGY CODE (PART 6, TITLE 24 C.C.R.)
10. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSG), PART 11, TITLE 24 C.C.R.

NOTE TO CONTRACTOR

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.

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STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

TECHNOLOGY LEGENDS & NOTES

SHEET NO.:

T002

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By: Andrea Rose (ARose@holtarc.com)
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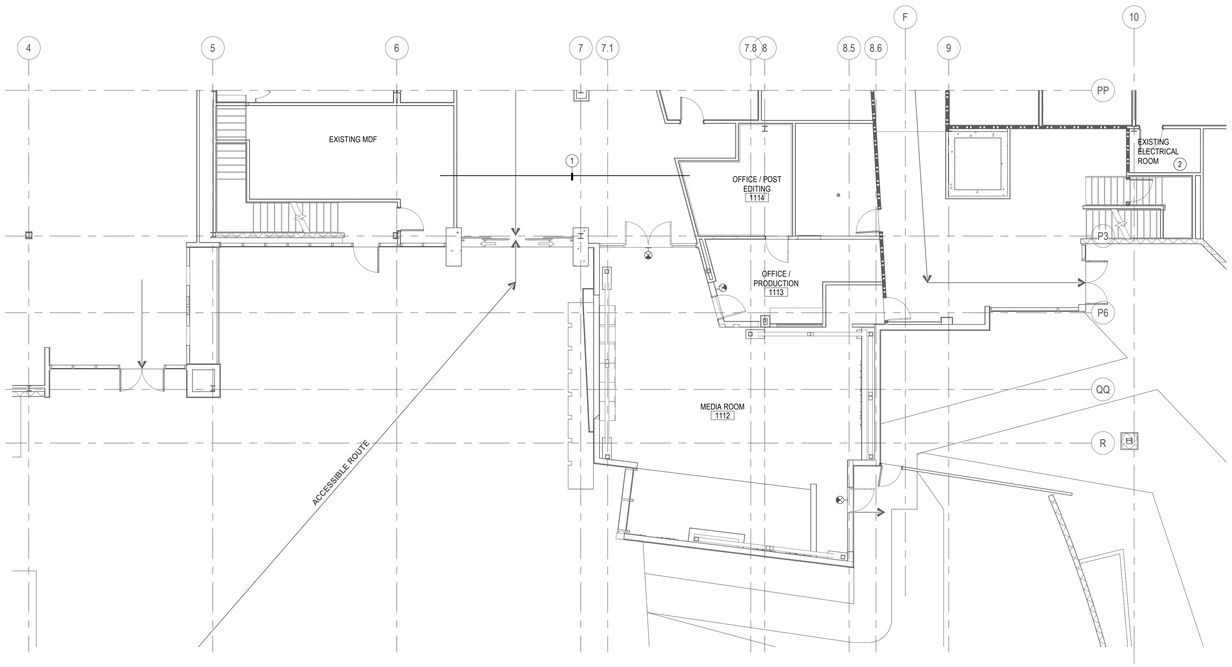

ESTIMATED NORTH ARROW

TECHNOLOGY SITE PLAN | SCALE: 1/8" = 1'-0" | 1

GENERAL NOTES

CONSTRUCTION NOTES

1. EXISTING PATHWAY. PROVIDE NEW SINGLEMODE FIBER TO AV CABINET.
2. EXISTING ACCESS CONTROL PANELS. UTILIZE EXISTING PATHWAYS.

KEY PLAN

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STAMPS:

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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:

MEDIA ROOM

2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:

ONTARIO POLICE DEPARTMENT

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	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

TECHNOLOGY SITE PLAN

SHEET NO.:

T101

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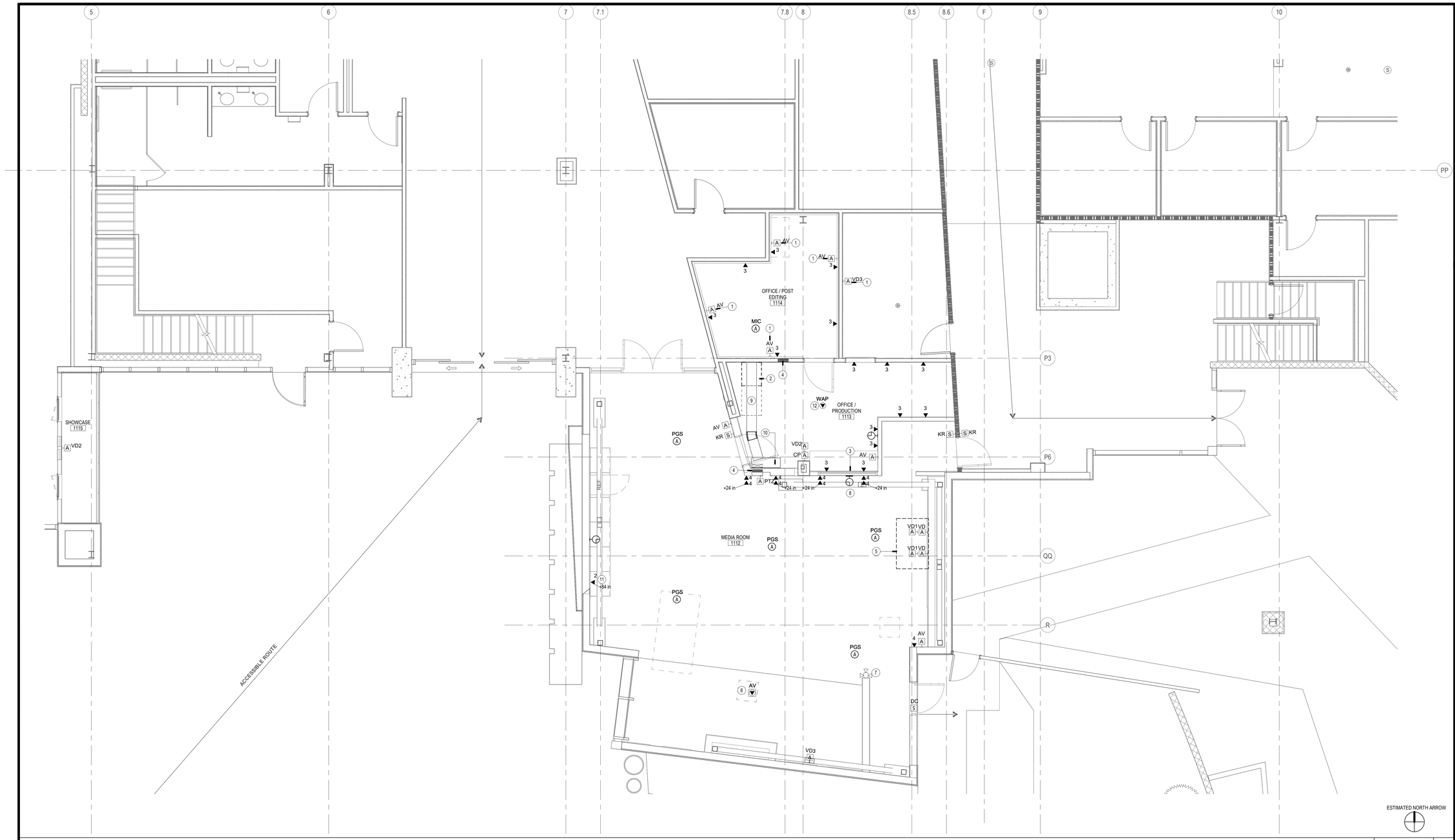

TECHNOLOGY FLOOR PLAN | SCALE: 1/4" = 1'-0" | 1

GENERAL NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION SCOPE OF WORK.

CONSTRUCTION NOTES

1. ROUGH-IN FOR FUTURE AV EQUIPMENT
2. AV RACK
3. PRODUCTION STATION
4. 4" CONDUIT SLEEVE FOR CABLE PASS THROUGH
5. 2X2 VIDEOWALL
6. PODIUM
7. 12-15' ABOVE STAGE. PROVIDE ROUGH-IN ONLY.
8. CLOCK CENTERED ABOVE PRODUCTION WINDOW
9. 12"Wx4" OVERHEAD CABLE TRAY 6" ABOVE DOOR
10. 12"W VERTICAL CABLE RUNWAY
11. PROVIDE SHELF FOR WIRELESS PRESENTATION DEVICE
12. EXISTING WAP. LOCATE PRIOR TO DEMOLITION AND PROTECT FOR REUSE.

KEY PLAN

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FOR
CODE COMPLIANCE
Sep 23, 2025
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PROJECT:

MEDIA ROOM

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CLIENT:

ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: D&C23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:

TECHNOLOGY FLOOR PLAN

SHEET NO.:

T102

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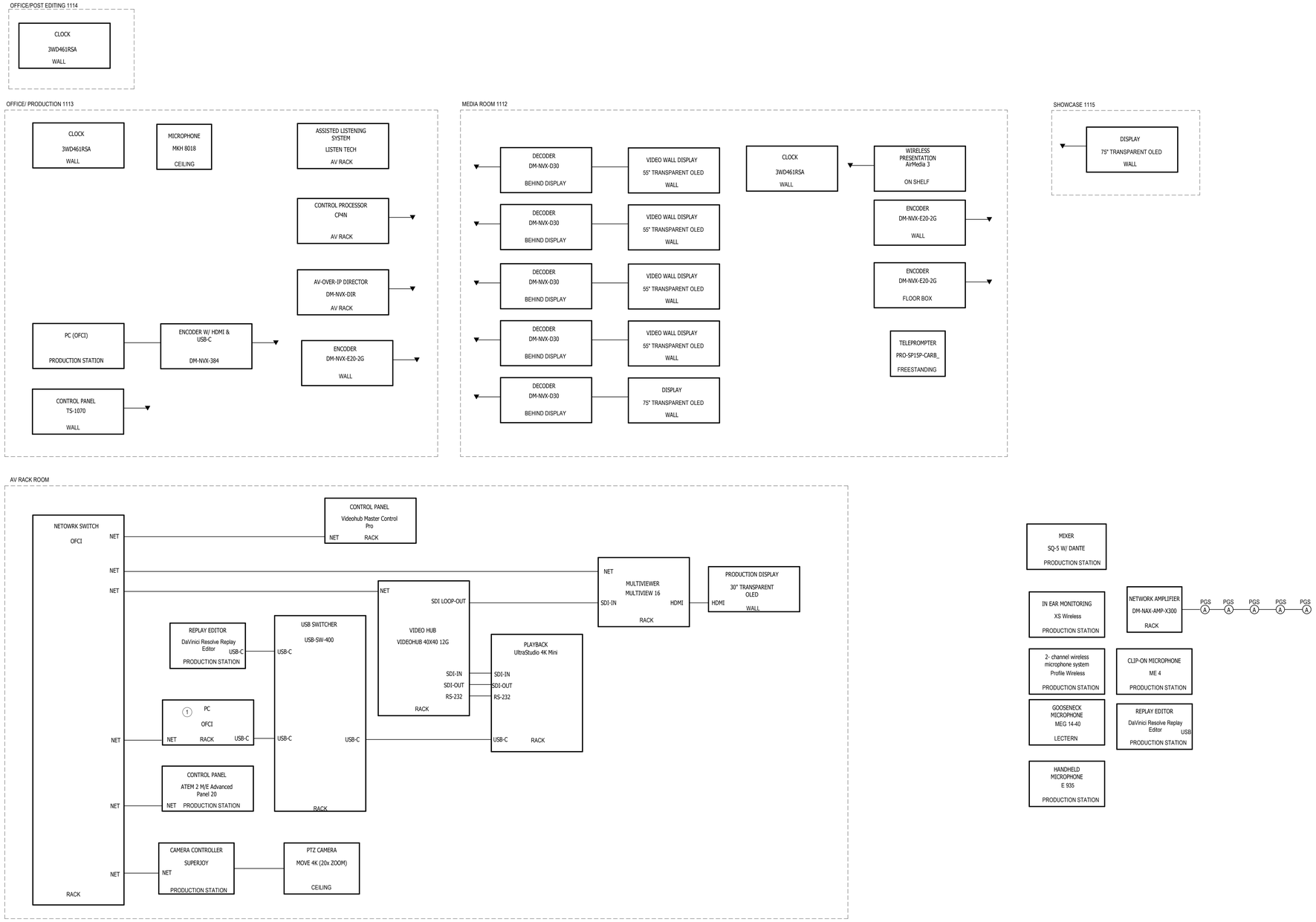

SINGLE LINES - MEDIA ROOM | 1

GENERAL NOTES

CONSTRUCTION NOTES

1. COORDINATE INSTALLATION AND INTEGRATION OF DaVinci Resolve WITH IT

KEY PLAN

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STAMPS:

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FOR
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Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
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CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DA223-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
TECHNOLOGY
SINGLE LINES

SHEET NO.:
T201

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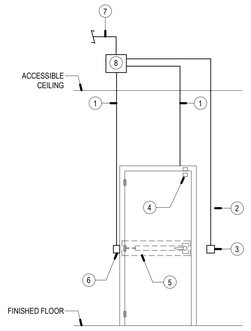
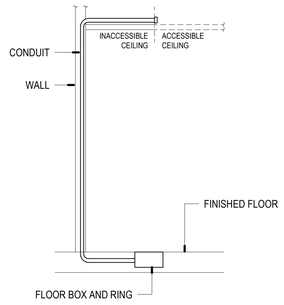
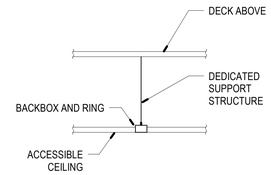


SGL DOOR - CR | 4

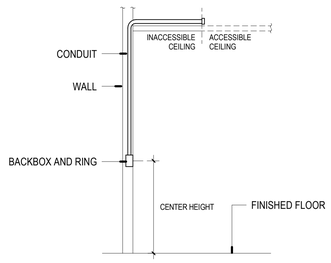


FLOOR BOX OUTLET | 3



DSA ONLY - COORDINATE ANCHORAGE, ATTACHMENTS, AND WEIGHT REQUIREMENTS

CEILING OUTLET - RECESS | 2



INTERIOR WALL OUTLET - RECESSED | 1

TECHNOLOGY ROUGH-IN SCHEDULE

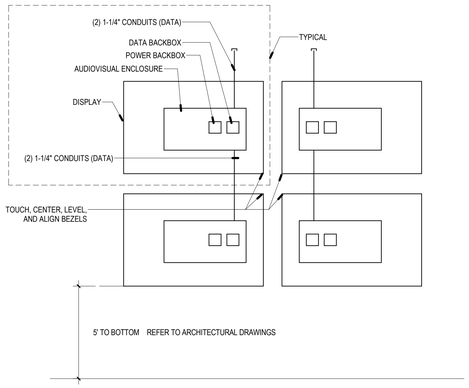
SYMBOL	SUBSCRIPT	BACKBOX	MUD RING	CONDUIT	HEIGHT	ROUGH-IN SHEET	NOTES
	CLOCK	4" SQ x 2-7/8"D	SINGLE GANG	(1) 3/4"	7' - 0"	1 / T401	
	AV	4" SQ x 2-7/8"D	TWO GANG	(1) 1-1/4"	1' - 6"	1 / T401	
	CP	4" SQ x 2-7/8"D	SINGLE GANG	(1) 3/4"	3' - 6"	1 / T401	
	PTZ	4" SQ x 2-7/8"D	SINGLE GANG	(1) 1-1/4"	6' - 0"	1 / T401	
	VD	4" SQ x 2-7/8"D	TWO GANG	(2) 1-1/4"	4' - 6"	7 / T401	1
	VD1	4" SQ x 2-7/8"D	TWO GANG	(2) 1-1/4"	6' - 0"	7 / T401	1
	VD2	4" SQ x 2-7/8"D	TWO GANG	(2) 1-1/4"	5' - 0"	8 / T401	1
	VD3	4" SQ x 2-7/8"D	TWO GANG	(2) 1-1/4"	6' - 0"	8 / T401	1
	WAP	4" SQ x 2-7/8"D	SINGLE GANG	(1) 3/4"	9' - 0" OR CEILING HEIGHT	2 / T401	
	AV	FLOOR BOX	(2) TWO GANG	(2) 1-1/4"	0' - 0"	3 / T401	2
▼	3	4" SQ x 2-7/8"D	SINGLE GANG	(1) 1-1/4"	1' - 6"	1 / T401	
▼	4	4" SQ x 2-7/8"D	SINGLE GANG	(1) 1-1/4"	1' - 6"	1 / T401	
		4" SQ x 2-7/8"D	SINGLE GANG	(1) 3/4"	12' - 0" / FLUSH TO CEILING	1,2 / T401	2
	KR	4" SQ x 2-7/8"D	SINGLE GANG	(1) 1"	3' - 6"	6 / T401	

ROUGH-IN SCHEDULE NOTES:

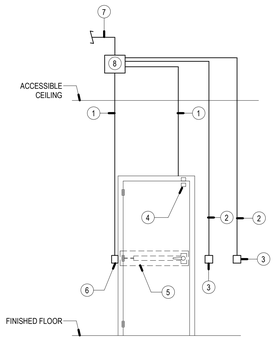
1. PROVIDE (2) NETWORK CABLES.
2. PROVIDE (4) NETWORK CABLES.

TECHNOLOGY ROUGH-IN SCHEDULE1

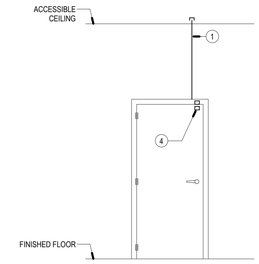
SYMBOL	SUBSCRIPT	BACKBOX	MUD RING	CONDUIT	HEIGHT	ROUGH-IN SHEET	NOTES
	CLOCK	4" SQ x 2-7/8"D	SINGLE GANG	(1) 3/4"	7' - 0"	1 / T401	
	AV	4" SQ x 2-7/8"D	TWO GANG	(1) 1-1/4"	1' - 6"	1 / T401	
	CP	4" SQ x 2-7/8"D	SINGLE GANG	(1) 3/4"	3' - 6"	1 / T401	
	PTZ	4" SQ x 2-7/8"D	SINGLE GANG	(1) 1-1/4"	6' - 0"	1 / T401	
	VD	4" SQ x 2-7/8"D	TWO GANG	(2) 1-1/4"	4' - 6"	7 / T401	1
	VD1	4" SQ x 2-7/8"D	TWO GANG	(2) 1-1/4"	6' - 0"	7 / T401	1
	VD2	4" SQ x 2-7/8"D	TWO GANG	(2) 1-1/4"	5' - 0"	8 / T401	1
	VD3	4" SQ x 2-7/8"D	TWO GANG	(2) 1-1/4"	6' - 0"	8 / T401	1
	WAP	4" SQ x 2-7/8"D	SINGLE GANG	(1) 3/4"	9' - 0" OR CEILING HEIGHT	2 / T401	
	AV	FLOOR BOX	(2) TWO GANG	(2) 1-1/4"	0' - 0"	3 / T401	2
▼	3	4" SQ x 2-7/8"D	SINGLE GANG	(1) 1-1/4"	1' - 6"	1 / T401	
▼	4	4" SQ x 2-7/8"D	SINGLE GANG	(1) 1-1/4"	1' - 6"	1 / T401	
		4" SQ x 2-7/8"D	SINGLE GANG	(1) 3/4"	12' - 0" / FLUSH TO CEILING	1,2 / T401	2
	KR	4" SQ x 2-7/8"D	SINGLE GANG	(1) 1"	3' - 6"	6 / T401	



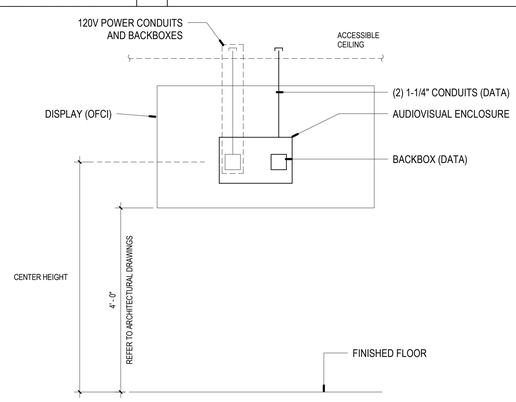
VIDEO WALL ELEVATION | 7



SGL DOOR - CR IN/CR OUT | 6



SGL DOOR - DC ONLY | 5



DISPLAY ELEVATION | 8

GENERAL NOTES

CONSTRUCTION NOTES

1. 3/4" CONDUIT
2. 1" CONDUIT
3. CARD READER MOUNTED TO 4" SQ x 2-7/8"D BACKBOX
4. PREP FRAME FOR DOOR CONTACT. PROVIDE RECESSED DOOR CONTACT - REFER TO DIVISION 8.
5. ELECTRIFIED TRANSFER HINGE/POWER TRANSFER & LOCKING HARDWARE- REFER TO DIVISION 8.
6. SINGLE GANG BOX
7. 1-1/2" CONDUIT TO SECURITY HEADEND OR NEAREST CABLE TRAY
8. 10"SQx4"D SECURITY JUNCTION BOX

KEY PLAN

HOLT ARCHITECTURE
36951 COOK ST. STE 103
PALM DESERT, CA 92211
PH: 760.328.5280
2300 MARKET ST. STE 140
RIVERSIDE, CA 92501
PH: 951.462.1451
WWW.HOLTARCHITECTURE.COM
CONSULTANT:
REGISTERED PROFESSIONAL ENGINEER KENNETH KERMODE No. 22839 SIGNED 09/17/2025 ELECTRICIAN STATE OF CALIFORNIA
431 E Vanderbilt Way, Suite 100 San Bernardino, CA 92408 (909) 890-1818 www.dwinc.com
DESIGN WEST ENGINEERING

STAMPS:

REVIEWED
FOR
CODE COMPLIANCE
Sep 23, 2025
BPR CONSULTING GROUP

PROJECT:
MEDIA ROOM
2500 S ARCHIBALD AVENUE,
ONTARIO, CA 91761

CLIENT:
ONTARIO POLICE DEPARTMENT

CLIENT PROJECT NO.: DMC23-017

MARK	DATE	DESCRIPTION
	07/14/25	PC RD 1 SUBMITTAL
	09/17/25	PC RD 2 SUBMITTAL

PROJECT NO.: ONT.010

SHEET TITLE:
TECHNOLOGY DETAILS

SHEET NO.:
T202

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